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**Барнаул** (3852)73-04-60  
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**Иркутск** (395)279-98-46  
**Казань** (843)206-01-48  
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**Кемерово** (3842)65-04-62  
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**Курган** (3522)50-90-47  
**Липецк** (4742)52-20-81

**Магнитогорск** (3519)55-03-13  
**Москва** (495)268-04-70  
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**Нижний Новгород** (831)429-08-12  
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**Ноябрьск** (3496)41-32-12  
**Новосибирск** (383)227-86-73  
**Омск** (3812)21-46-40  
**Орел** (4862)44-53-42  
**Оренбург** (3532)37-68-04  
**Пенза** (8412)22-31-16  
**Петрозаводск** (8142)55-98-37  
**Псков** (8112)59-10-37  
**Пермь** (342)205-81-47

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**Рязань** (4912)46-61-64  
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**Смоленск** (4812)29-41-54  
**Сочи** (862)225-72-31  
**Ставрополь** (8652)20-65-13  
**Сургут** (3462)77-98-35  
**Сыктывкар** (8212)25-95-17  
**Тамбов** (4752)50-40-97  
**Тверь** (4822)63-31-35

**Тольятти** (8482)63-91-07  
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**Тула** (4872)33-79-87  
**Тюмень** (3452)66-21-18  
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**Чита** (3022)38-34-83  
**Якутск** (4112)23-90-97  
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**Киргизия** +996(312)96-26-47

<https://odu.nt-rt.ru> || [oud@nt-rt.ru](mailto:oud@nt-rt.ru)



# ODU FIBER OPTIC

For high data rates and demanding requirements

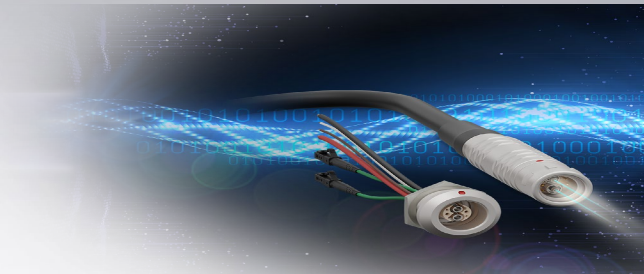
# ODU FIBER OPTIC

...technologies offer you high data rates, interference-free transmissions and exactly the quality and stability that is needed for an optical connection.

ODU provides a basic portfolio of fiber optic solutions with standard products and customized solutions.

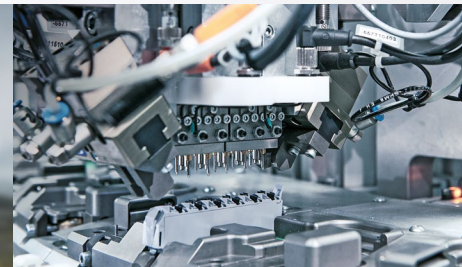
We supply fully assembled fiber optic system solutions in order to guarantee an error-free connection.

**A connector can only meet the requirements of your application in combination with the suitable cable.**




## FEATURES

- + GOF (Multimode / Singlemode) and POF solutions
- + Expanded Beam and Physical Contact technology
- + Fiber only and hybrid systems
- + High mating cycles
- + Indoor, outdoor and harsh environments
- + Rugged and reliable optical connection
- + Tightness up to IP68 (in mated condition)
- + Fast transmission of high data rates
- + Easy cleaning
- + Robust connector housings

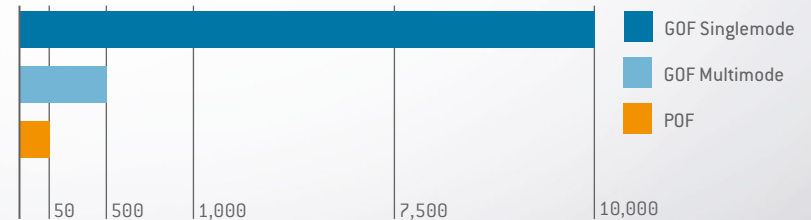


# CHOOSE THE RIGHT TECHNOLOGY

| Functional principles            |  |  |   |  |
|----------------------------------|---|--|---|--|
| Contact specifications           | POF   | Physical Contact                               | Expanded Beam                           | Expanded Beam Performance                      |
| Contact type                     | PC  | PC / APC                                       | Expanded Beam                           | Expanded Beam                                  |
| Insertion loss (IL) <sup>1</sup> | ≤ 1.5 dB  | ≤ 0.5 dB                                       | ≤ 1.5 dB                                | < 0,7 dB (SM) / < 0,3 dB (MM)                  |
| Return loss (RL)                 | N / A   | > 40 dB (SM)<br>> 30 dB (MM)                   | ≥ 32 dB (MM)                            | ≥ 55dB (SM)<br>≥ 25dB (MM)                     |
| Mating cycles <sup>2</sup>       | 10,000  | 1,000  | 100,000                                 | 25,000   |
| Cleaning                         | No cleaning necessary   | Before every mating cycle <sup>3</sup>         | Every 20,000 mating cycles <sup>3</sup> | Every 5,000 mating cycles                      |
| Temperature range                | -40 °C to +85 °C  | -25 °C to +75 °C                               | -40 °C to +85 °C                        | -40 °C to +80 °C                               |
| Fiber types                      | 980 / 1,000 μm  | Multimode 50 / 125 μm<br>Singlemode 9 / 125 μm | Multimode 50 / 125 μm                   | Multimode 50 / 125 μm<br>Singlemode 9 / 125 μm |

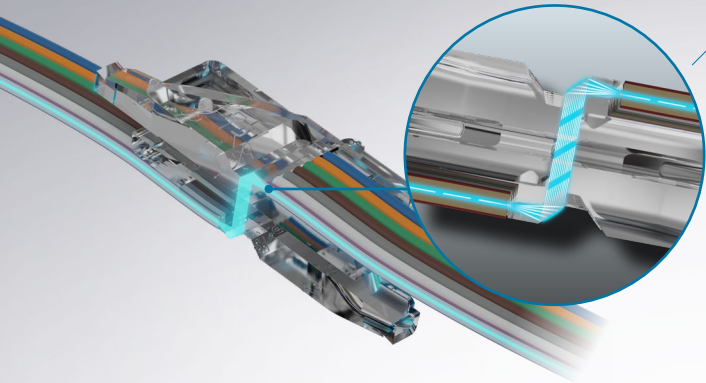
| General cable specifications for outdoor applications <sup>4</sup>                        |                    |
|---|--------------------|
| Jacket material   | Polyurethan / LSZH |
| Temperature range (fixed)   | -25 °C to +70 °C   |
| Temperature range (flexible)  | -5 °C to +50 °C    |
| Oil resistance according to DIN EN 50363-10-2 (test method according to DIN EN 60811-404) |                    |
| General fuel resistance (e.g. diesel, petrol)   |                    |
| Resistance to acids, alkalis and cleaning agents  |                    |
| Resistance to dust (e.g. magnesite, bauxite)  |                    |
| Resistance to microbial and fungal infestation  |                    |

## FIBER SPECIFICATIONS — Data rate 10 Gbit/s



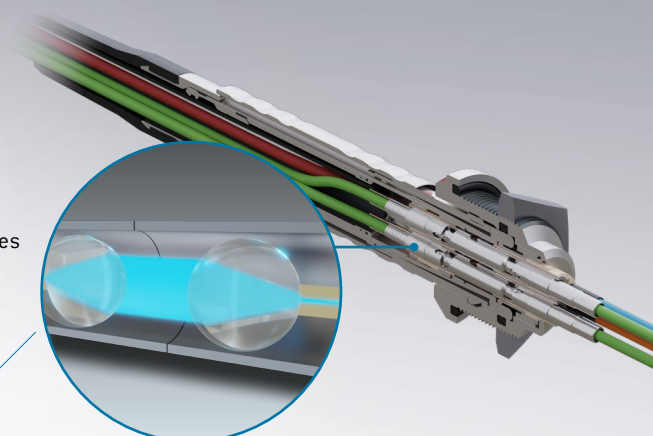
Distance in meters

# TECHNOLOGY AT A GLANCE



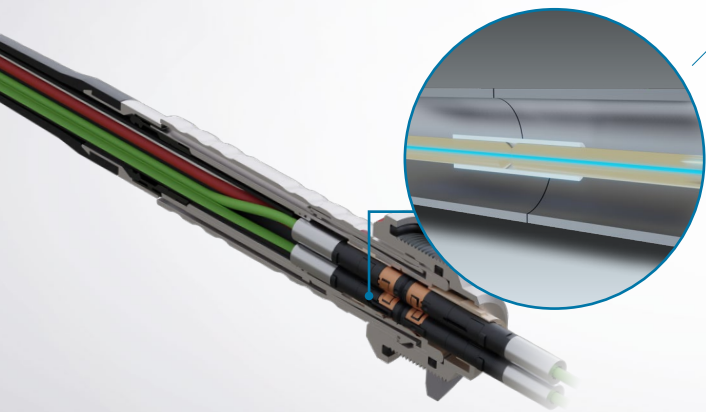
## EXPANDED BEAM PERFORMANCE

|                |  |
|----------------|--|
| Insertion loss | $\leq 0.7$ dB (SM)<br>$\leq 0.3$ dB (MM)                 |
| Mating cycles  | 25,000   |
| Cleaning       | Every 5,000 mating cycles                                |
| Fiber types    | Multimode 50 / 125 $\mu$ m<br>Singlemode 9 / 125 $\mu$ m |



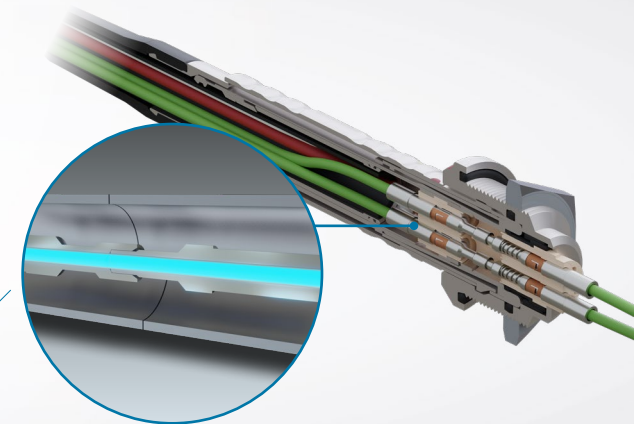
## EXPANDED BEAM

|                |                            |
|----------------|----------------------------|
| Insertion loss | $\leq 1.5$ dB              |
| Mating cycles  | 100,000                    |
| Cleaning       | Every 20,000 mating cycles |
| Fiber types    | Multimode 50 / 125 $\mu$ m |



## PHYSICAL CONTACT

|                |  |
|----------------|--|
| Insertion loss | $\leq 0.5$ dB  |
| Mating cycles  | 1,000  |
| Cleaning       | Before every mating cycle                                |
| Fiber types    | Multimode 50 / 125 $\mu$ m<br>Singlemode 9 / 125 $\mu$ m |



## POLYMER OPTICAL FIBER (POF)

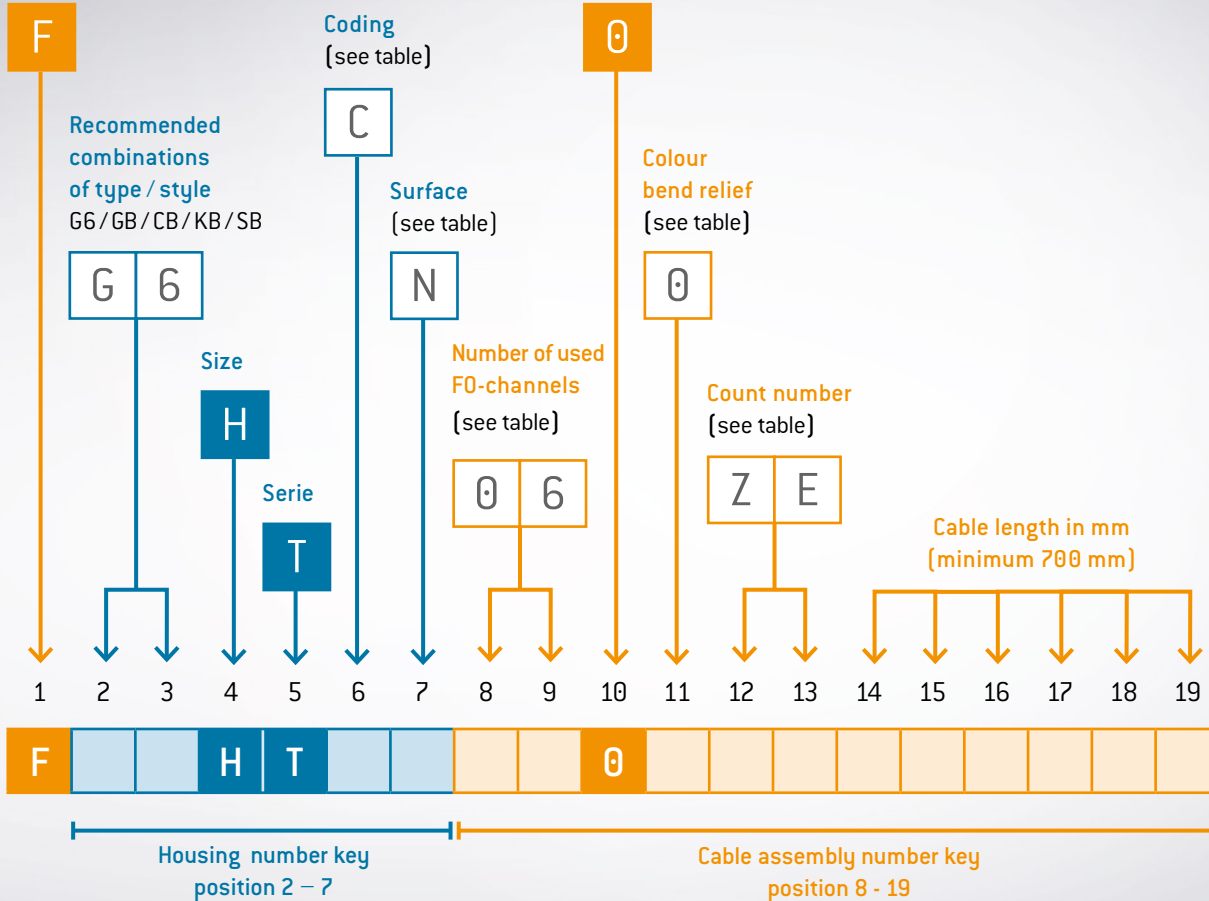
|                |                     |
|----------------|---------------------|
| Insertion loss | $\leq 1.5$ dB       |
| Mating cycles  | 10,000              |
| Cleaning       | Not necessary       |
| Fiber types    | 980 / 1,000 $\mu$ m |



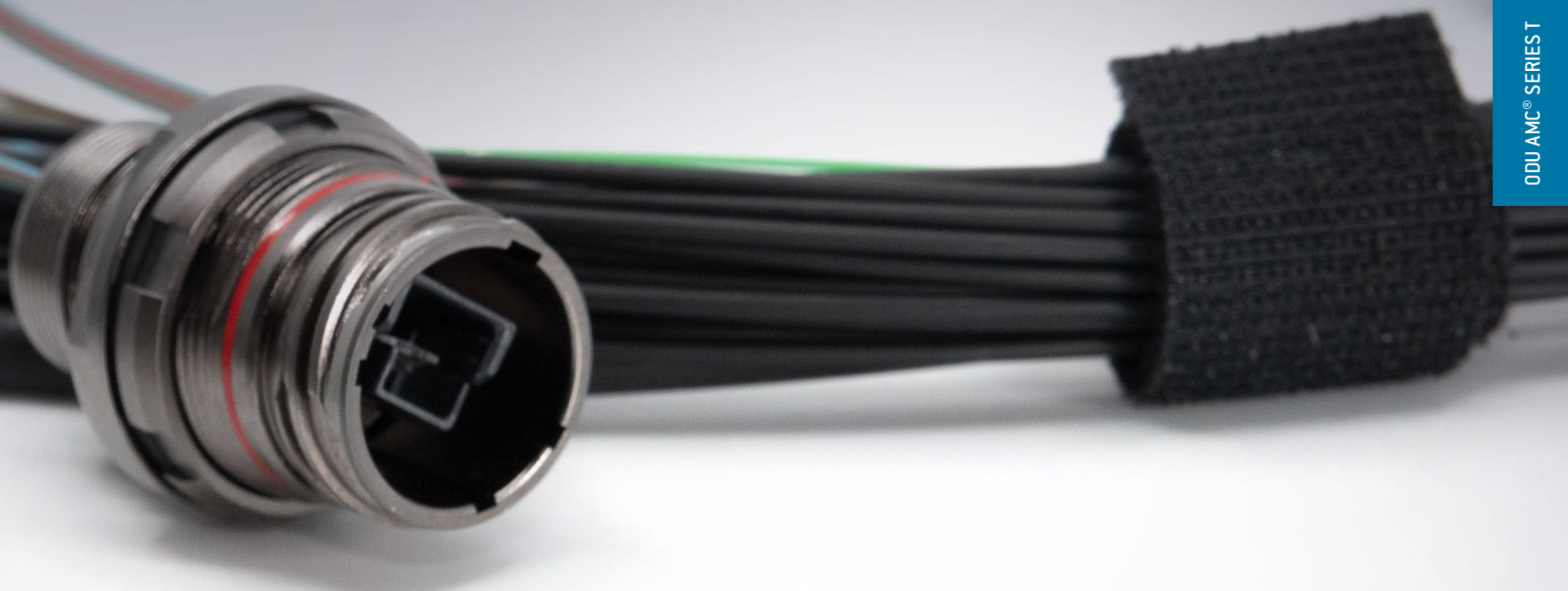
# PART NUMBER KEY DESCRIPTION

Fiber Optic  
[Fiber Only and Fiber Hybrid]

0 = No bend / Strain relief [GK single wired]  
7 = Backshell termination





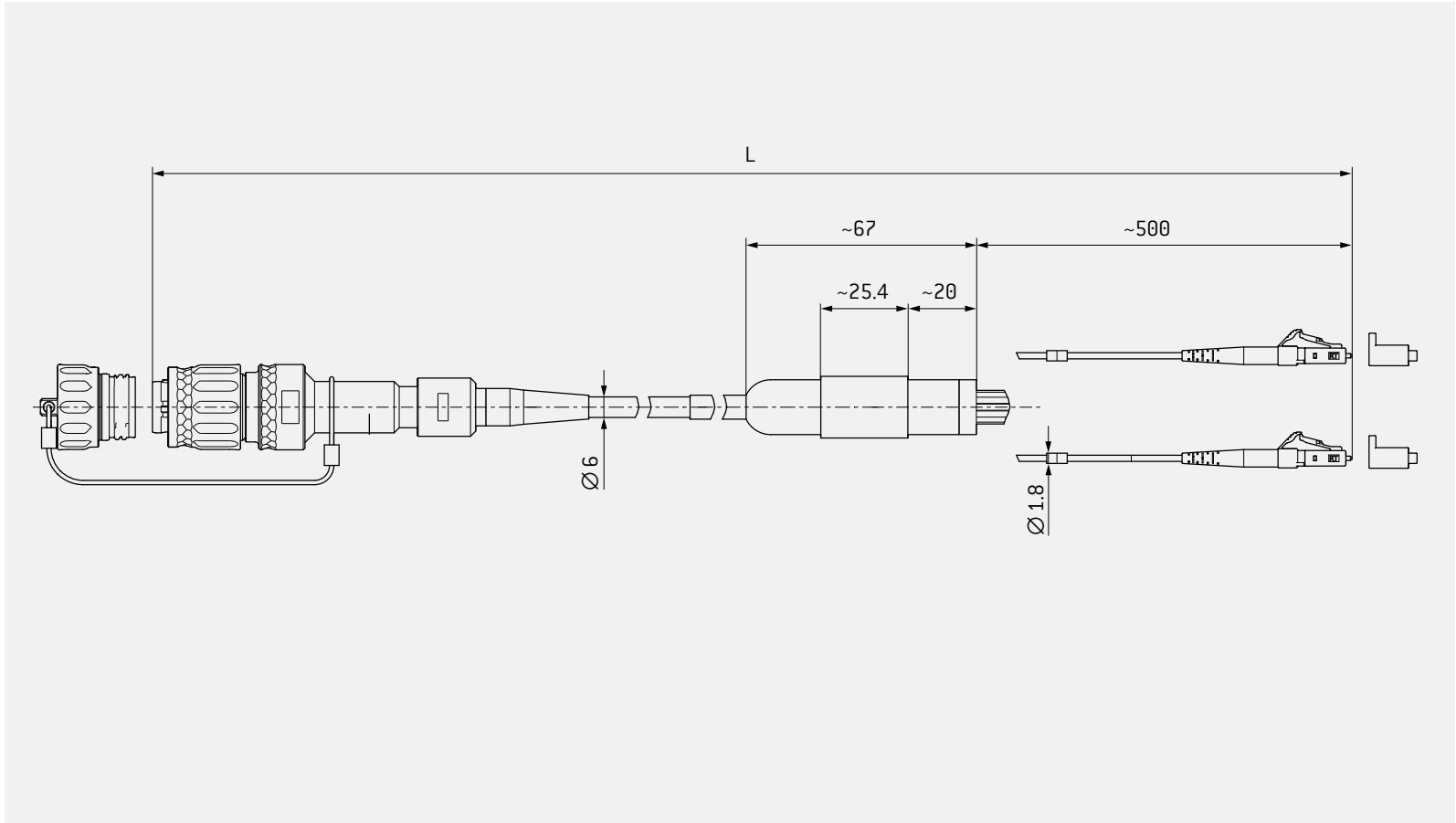


# ODU AMC® SERIES T

|                                   |           |
|-----------------------------------|-----------|
| Expanded Beam Performance .....   | <u>8</u>  |
| Expanded Beam .....               | <u>24</u> |
| Physical Contact .....            | <u>44</u> |
| Polymer Optical Fiber (POF) ..... | <u>64</u> |

# EXPANDED BEAM PERFORMANCE

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.



# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

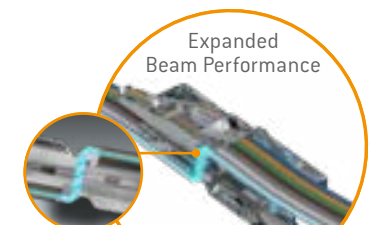
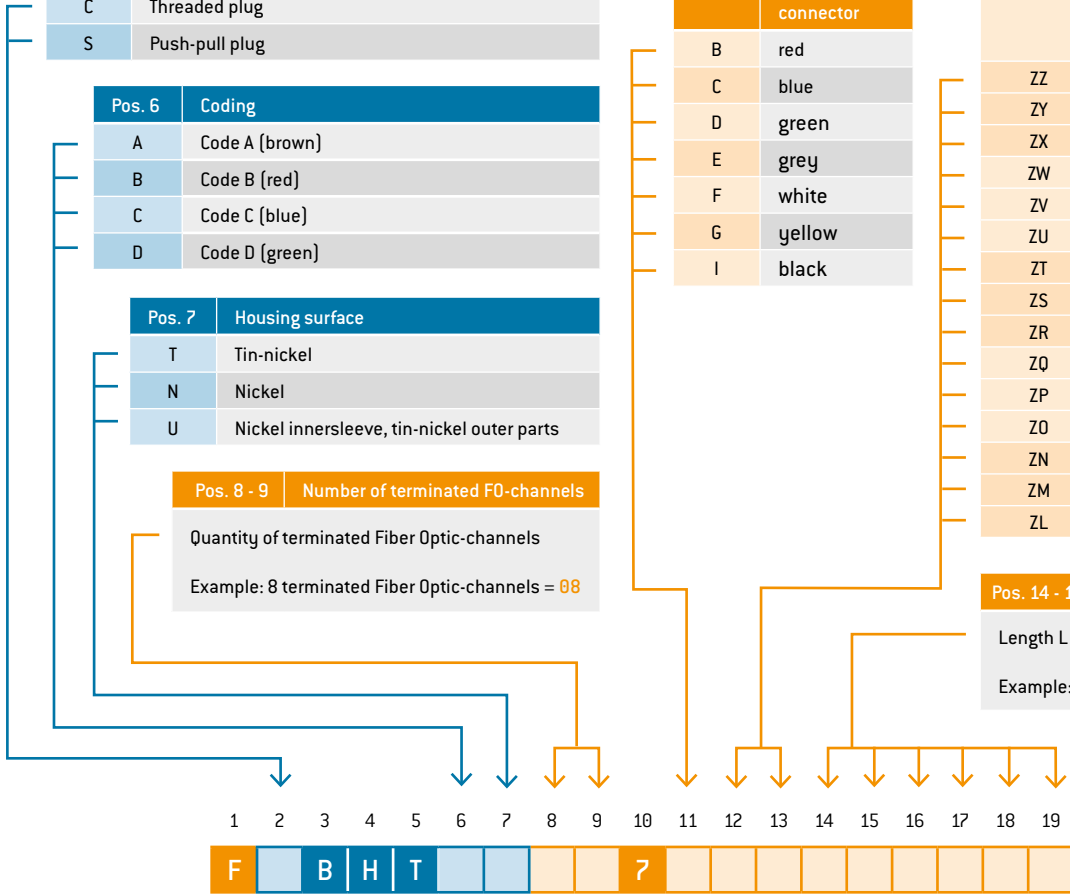
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 8 - 9                                      | Number of terminated FO-channels |
|---|----------------------------------|
| Quantity of terminated Fiber Optic-channels     |                                  |
| Example: 8 terminated Fiber Optic-channels = 08 |                                  |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| B       | red                             |
| C       | blue                            |
| D       | green                           |
| E       | grey                            |
| F       | white                           |
| G       | yellow                          |
| I       | black                           |

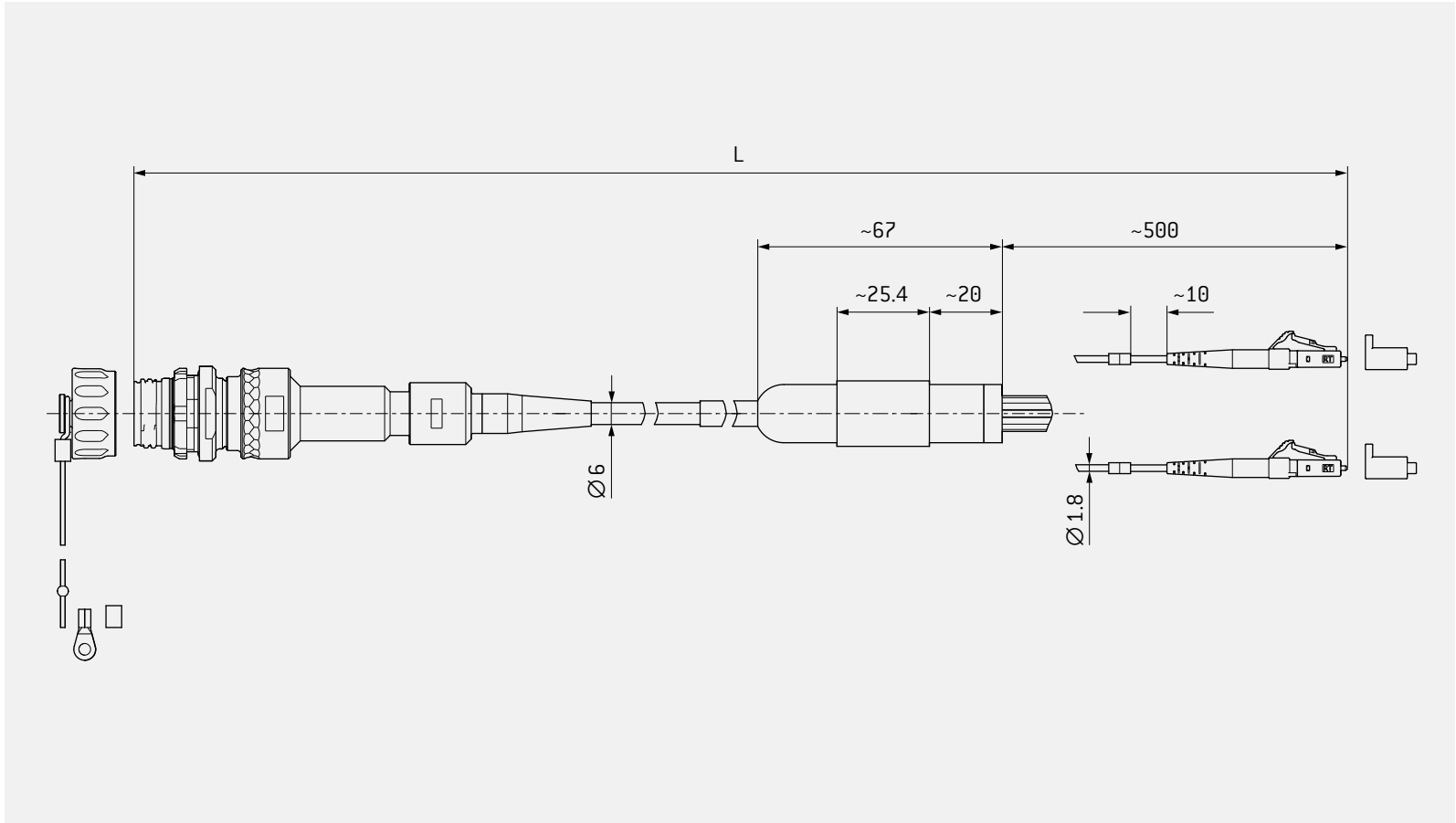
| Pos. 12 - 13 |      | Count number  |           |
|--------------|------|---|-----------|
|              | Mode | Type and polish of Fiber Optic interface connector (2nd side) |           |
|              | ZZ   | Multimode   | LC/PC     |
|              | ZY   | Singlemode  | LC/PC     |
|              | ZX   | Singlemode  | LC/APC    |
|              | ZW   | Multimode   | SC/PC     |
|              | ZV   | Singlemode  | SC/PC     |
|              | ZU   | Singlemode  | SC/APC    |
|              | ZT   | Multimode   | ST/PC     |
|              | ZS   | Singlemode  | ST/PC     |
|              | ZR   | Singlemode  | ST/APC    |
|              | ZQ   | Multimode   | FC/PC     |
|              | ZP   | Singlemode  | FC/PC     |
|              | ZO   | Singlemode  | FC/APC    |
|              | ZN   | Multimode   | E2000/PC  |
|              | ZM   | Singlemode  | E2000/PC  |
|              | ZL   | Singlemode  | E2000/APC |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |



# EXPANDED BEAM PERFORMANCE

## HARSH ENVIRONMENT / RECEPTACLE BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

## HARSH ENVIRONMENT / RECEPTACLE BREAKOUT ASSEMBLY

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |


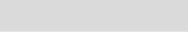


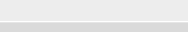

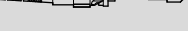
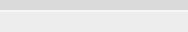
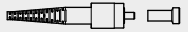
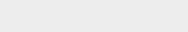

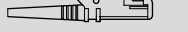
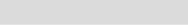


| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

**Pos. 8 - 9** | Number of terminated FO-channels

Quantity of terminated Fiber Optic-channels

Example: 8 terminated Fiber Optic-channels = **08**

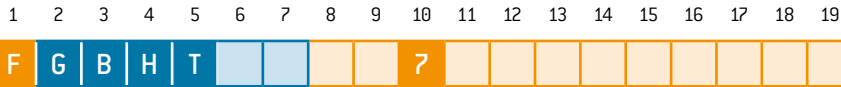
| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| B       | red                             |
| C       | blue                            |
| D       | green                           |
| E       | grey                            |
| F       | white                           |
| G       | yellow                          |
| I       | black                           |

| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZZ           | Multimode  | LC/PC   |  |
| ZY           | Singlemode | LC/PC   |  |
| ZX           | Singlemode | LC/APC  |  |
| ZW           | Multimode  | SC/PC   |  |
| ZV           | Singlemode | SC/PC   |  |
| ZU           | Singlemode | SC/APC  |  |
| ZT           | Multimode  | ST/PC   |  |
| ZS           | Singlemode | ST/PC   |  |
| ZR           | Singlemode | ST/APC  |  |
| ZQ           | Multimode  | FC/PC   |  |
| ZP           | Singlemode | FC/PC   |  |
| ZO           | Singlemode | FC/APC  |  |
| ZN           | Multimode  | E2000/PC  |  |
| ZM           | Singlemode | E2000/PC  |  |
| ZL           | Singlemode | E2000/APC   |  |

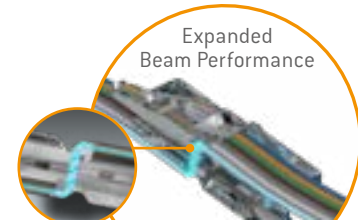
**Pos. 14 - 19** | Length

Length L of assembly in mm (minimum cable length 700 mm)

Example: 1000 mm = **001000**

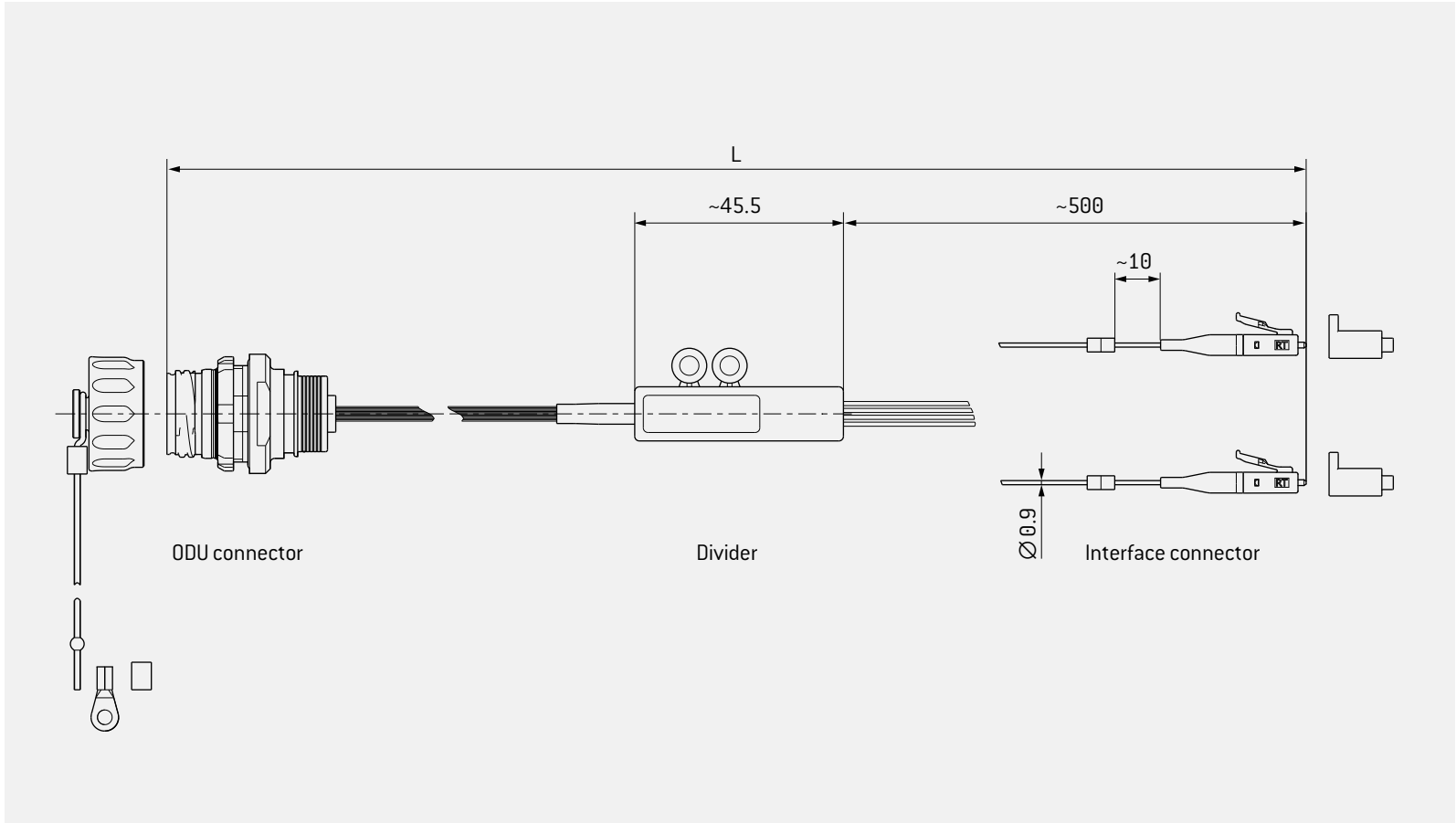


**NUMBER KEY:**



# EXPANDED BEAM PERFORMANCE

## INCABINET / RECEPTACLE BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.








# PART NUMBER KEY INCABINET / RECEPTACLE BREAKOUT ASSEMBLY

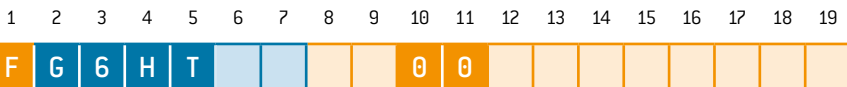
| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

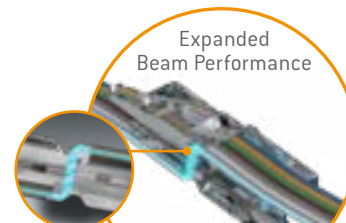
| Pos. 8 - 9                                      | Number of terminated FO-channels |
|---|----------------------------------|
| Quantity of terminated Fiber Optic-channels     |                                  |
| Example: 8 terminated Fiber Optic-channels = 08 |                                  |

| Pos. 12 - 13 | Count number |   |   |
|--------------|--------------|---|---|
|              | Mode         | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZK           | Multimode    | LC/PC   |   |
| ZJ           | Singlemode   | LC/PC   |  |
| ZI           | Singlemode   | LC/APC  |   |
| ZH           | Multimode    | SC/PC   |   |
| ZG           | Singlemode   | SC/PC   |  |
| ZF           | Singlemode   | SC/APC  |   |
| ZE           | Multimode    | ST/PC   |   |
| ZD           | Singlemode   | ST/PC   |  |
| ZC           | Singlemode   | ST/APC  |   |
| ZB           | Multimode    | FC/PC   |   |
| ZA           | Singlemode   | FC/PC   |  |
| Z9           | Singlemode   | FC/APC  |   |
| Z8           | Multimode    | E2000/PC  |   |
| Z7           | Singlemode   | E2000/PC  |  |
| Z6           | Singlemode   | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

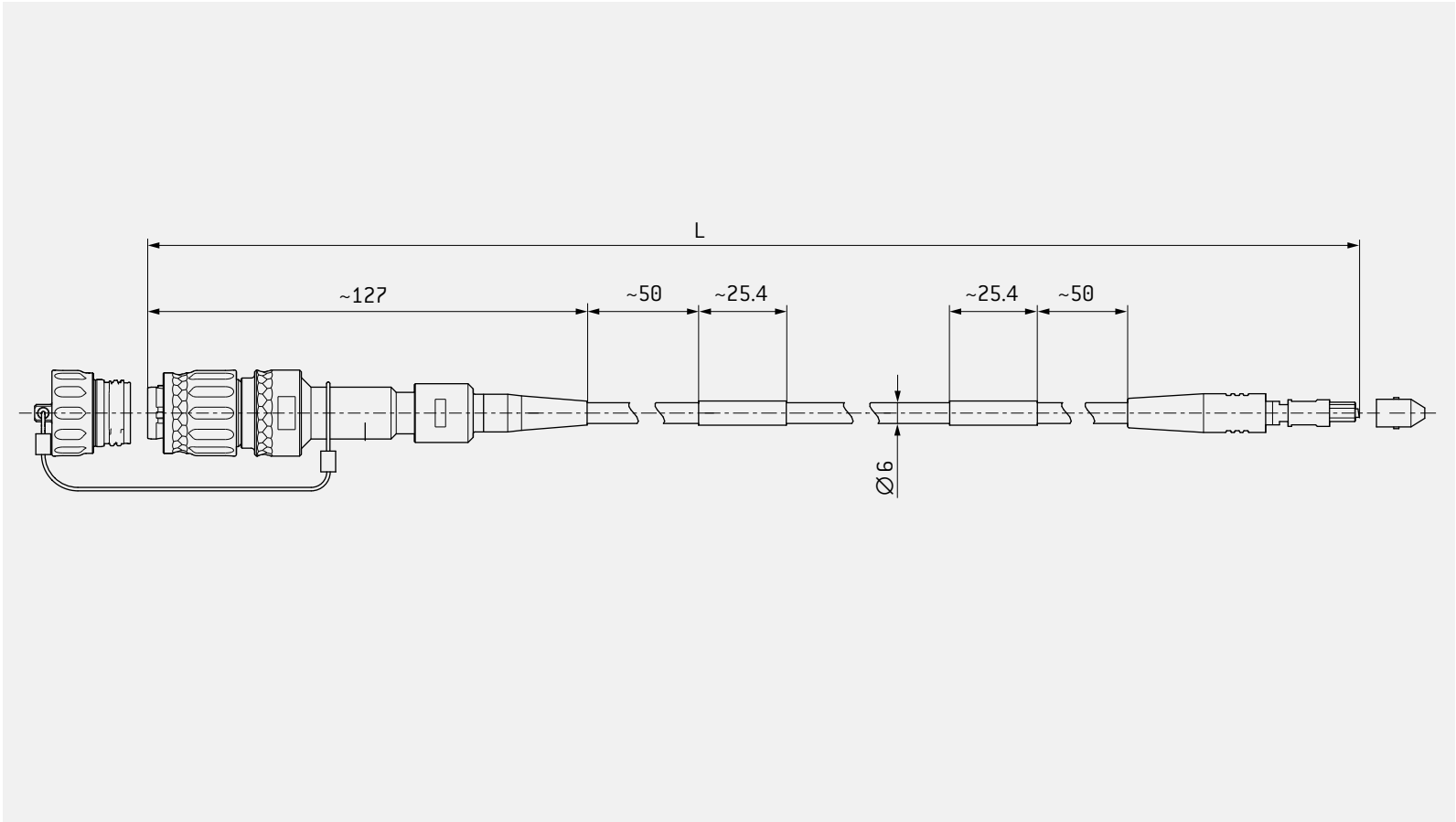


NUMBER KEY:



# EXPANDED BEAM PERFORMANCE

HARSH ENVIRONMENT / CONNECTION CABLE / MALE CONNECTOR – MPO FEMALE



Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

HARSH ENVIRONMENT / CONNECTION CABLE / MALE CONNECTOR – MPO FEMALE

| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

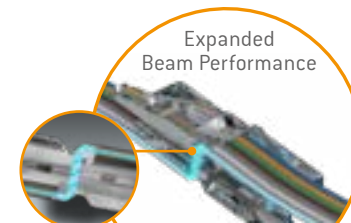
| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| B       | red                             |
| C       | blue                            |
| D       | green                           |
| E       | grey                            |
| F       | white                           |
| G       | yellow                          |
| I       | black                           |

| Pos. 12 - 13 | Count number         |
|--------------|----------------------|
| Z1           | Multimode (MPO/PC)   |
| Z0           | Singlemode (MPO/APC) |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

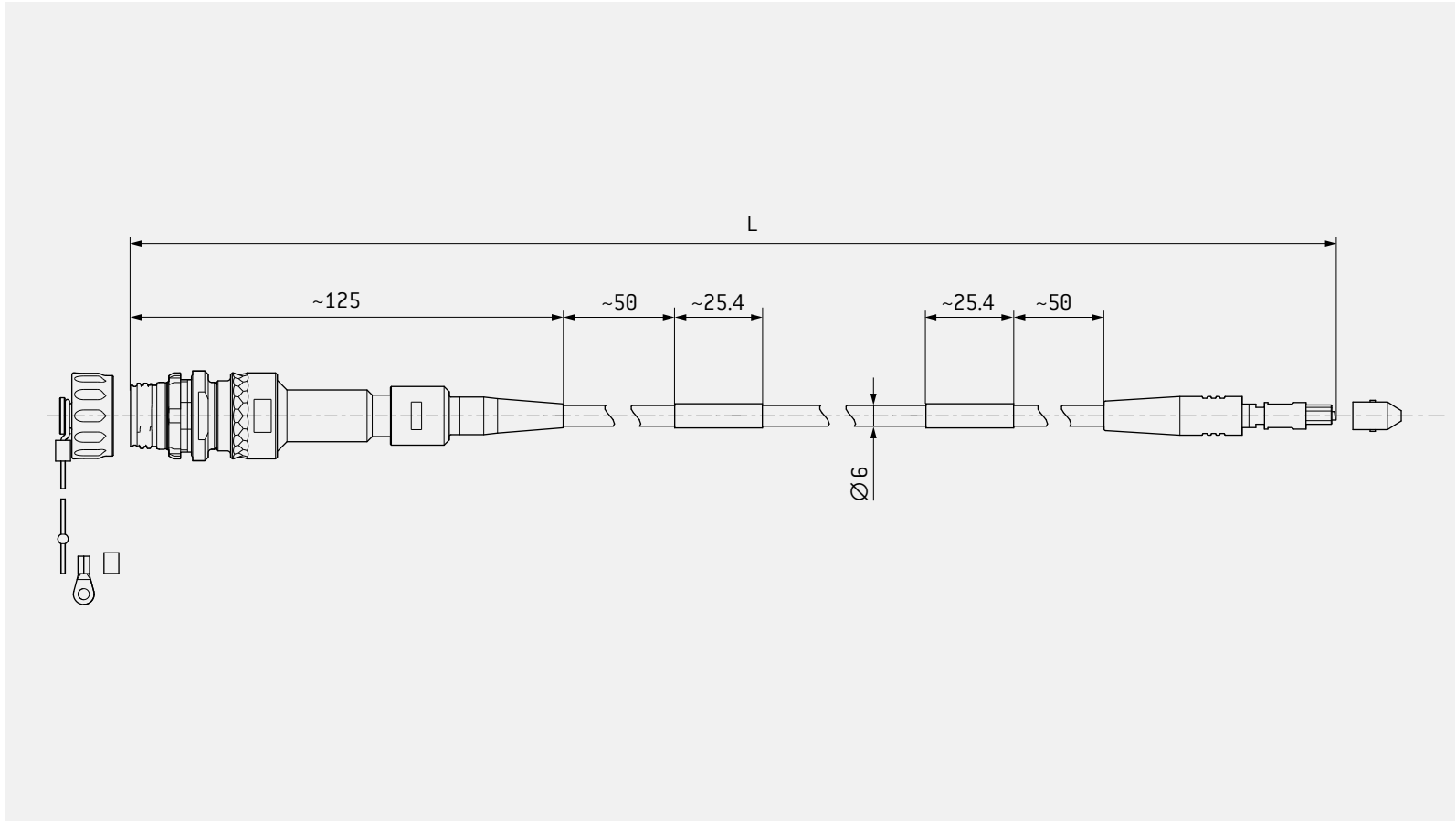


NUMBER KEY:



# EXPANDED BEAM PERFORMANCE

HARSH ENVIRONMENT / CONNECTION CABLE / RECEPTACLE – MPO FEMALE



Please see the respective connector catalogue for a detailed connector specification.



# PART NUMBER KEY

HARSH ENVIRONMENT / CONNECTION CABLE / RECEPTACLE – MPO FEMALE

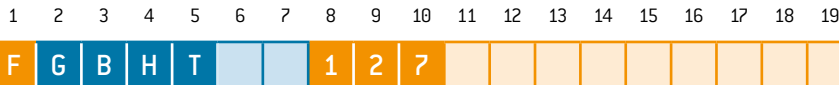
| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

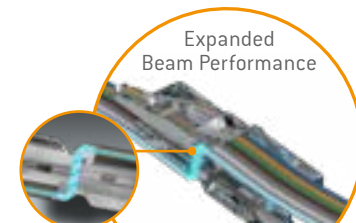
| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| B       | red                             |
| C       | blue                            |
| D       | green                           |
| E       | grey                            |
| F       | white                           |
| G       | yellow                          |
| I       | black                           |

| Pos. 12 - 13 | Count number         |
|--------------|----------------------|
| Z1           | Multimode (MPO/PC)   |
| Z0           | Singlemode (MPO/APC) |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

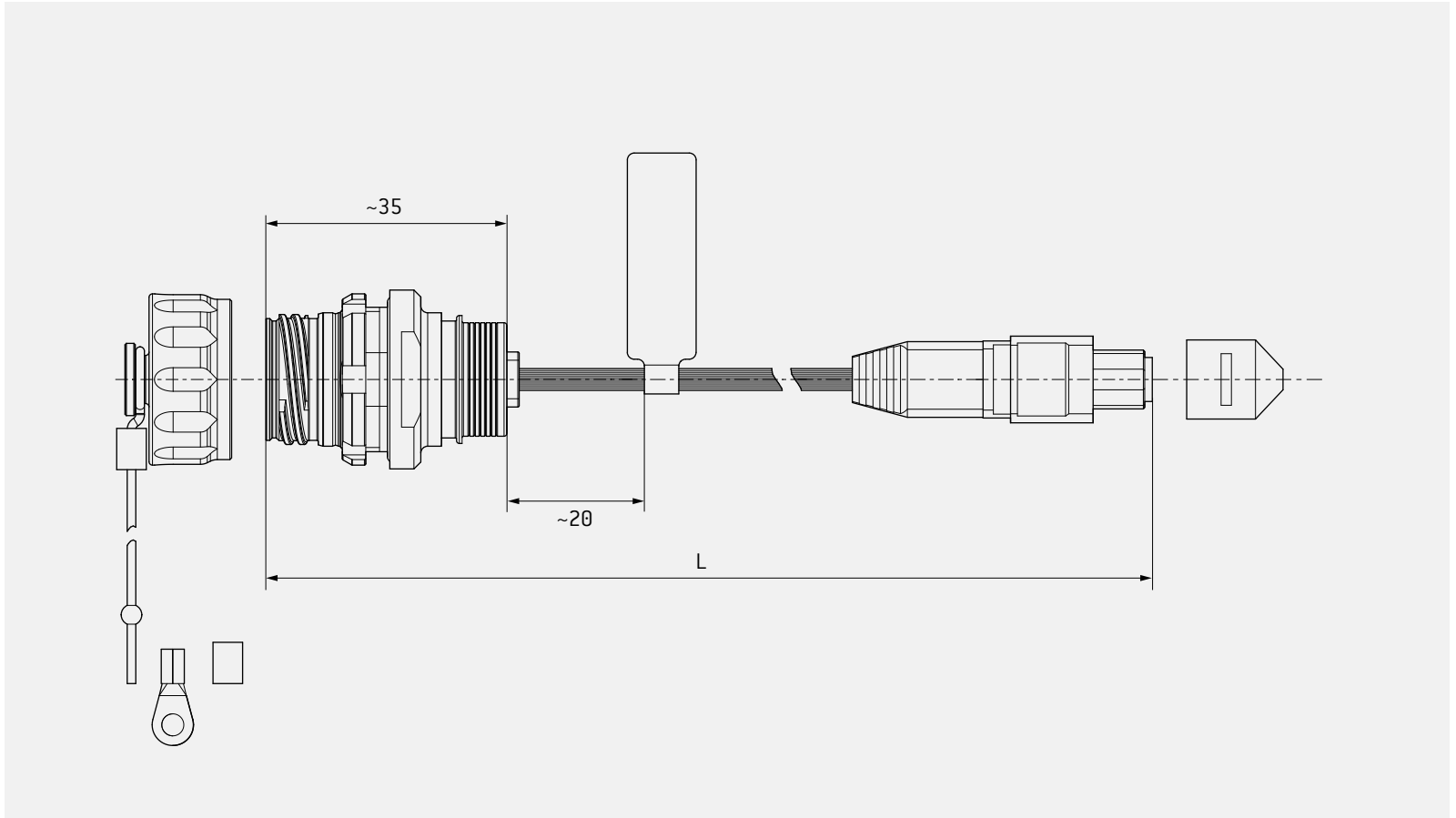


NUMBER KEY:



# EXPANDED BEAM PERFORMANCE

INCABINET / CONNECTION CABLE / RECEPTACLE – MPO FEMALE



Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

INCABINET / CONNECTION CABLE / RECEPTACLE – MPO FEMALE

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

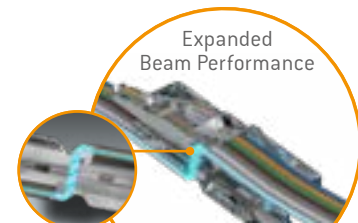
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 | Count number         |
|--------------|----------------------|
| Z3           | Multimode (MPO/PC)   |
| Z2           | Singlemode (MPO/APC) |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

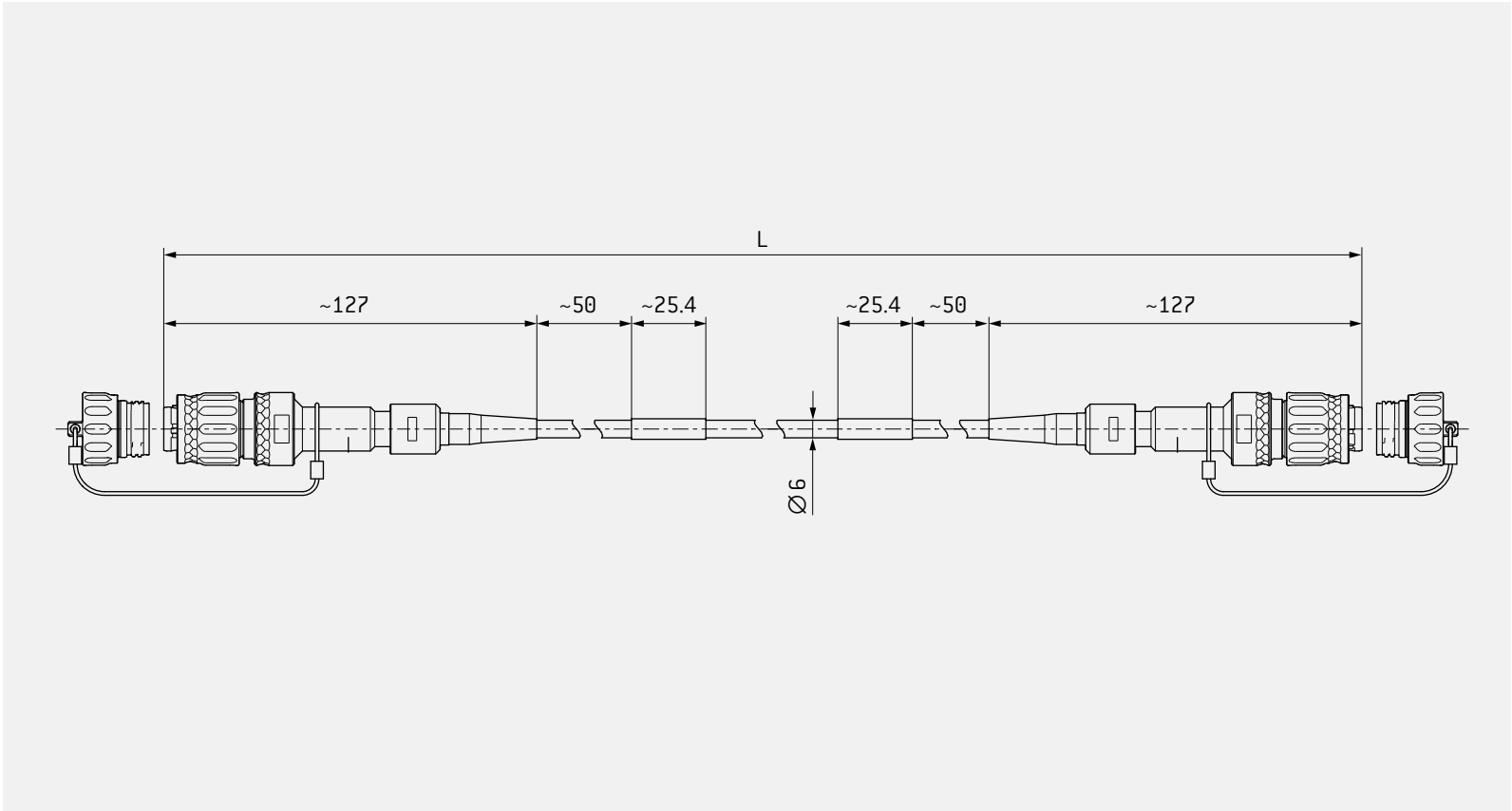
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

NUMBER KEY:



# EXPANDED BEAM PERFORMANCE

HARSH ENVIRONMENT / CONNECTION CABLE / CONNECTOR – CONNECTOR



Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

HARSH ENVIRONMENT / CONNECTION CABLE / CONNECTOR – CONNECTOR

| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

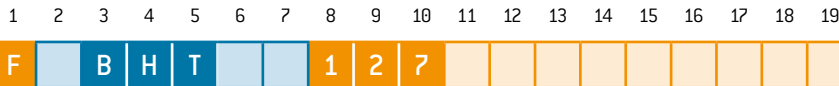
| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

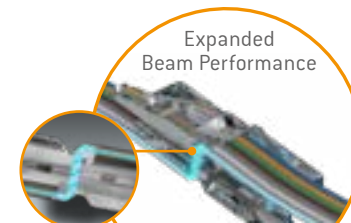
| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| B       | red                             |
| C       | blue                            |
| D       | green                           |
| E       | grey                            |
| F       | white                           |
| G       | yellow                          |
| I       | black                           |

| Pos. 12 - 13 | Count number |
|--------------|--------------|
| Z5           | Multimode    |
| Z4           | Singlemode   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

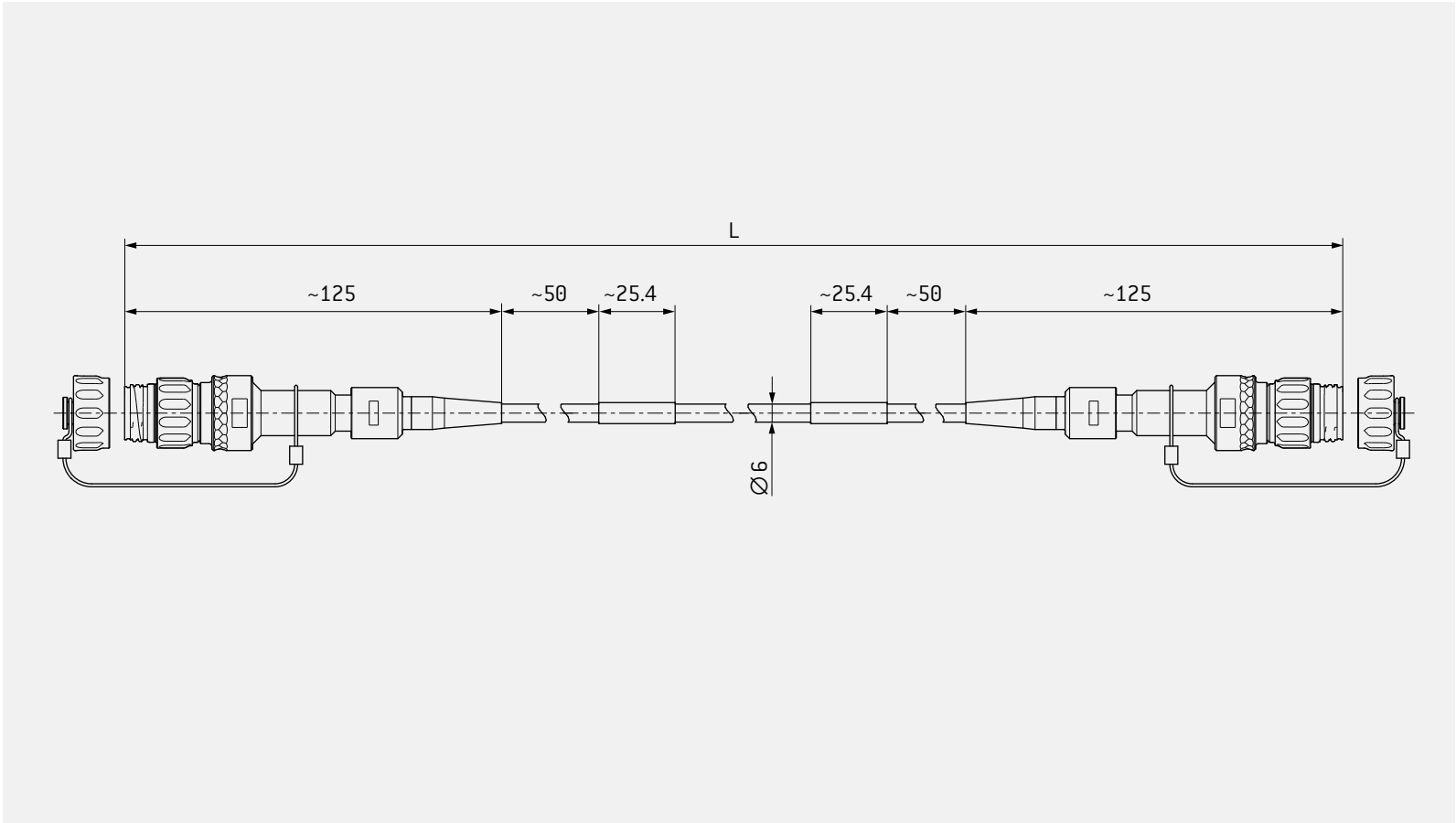


NUMBER KEY:



# EXPANDED BEAM PERFORMANCE

HARSH ENVIRONMENT / CONNECTION CABLE / IN-LINE RECEPTACLE – IN-LINE RECEPTACLE



Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

HARSH ENVIRONMENT / CONNECTION CABLE / IN-LINE RECEPTACLE – IN-LINE RECEPTACLE

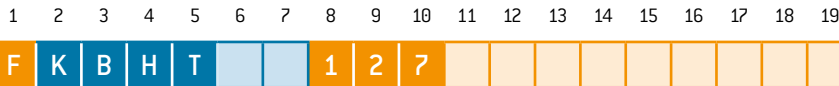
| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

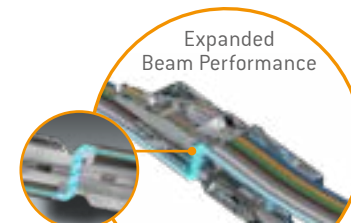
| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| B       | red                             |
| C       | blue                            |
| D       | green                           |
| E       | grey                            |
| F       | white                           |
| G       | yellow                          |
| I       | black                           |

| Pos. 12 - 13 | Count number |
|--------------|--------------|
| Z5           | Multimode    |
| Z4           | Singlemode   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

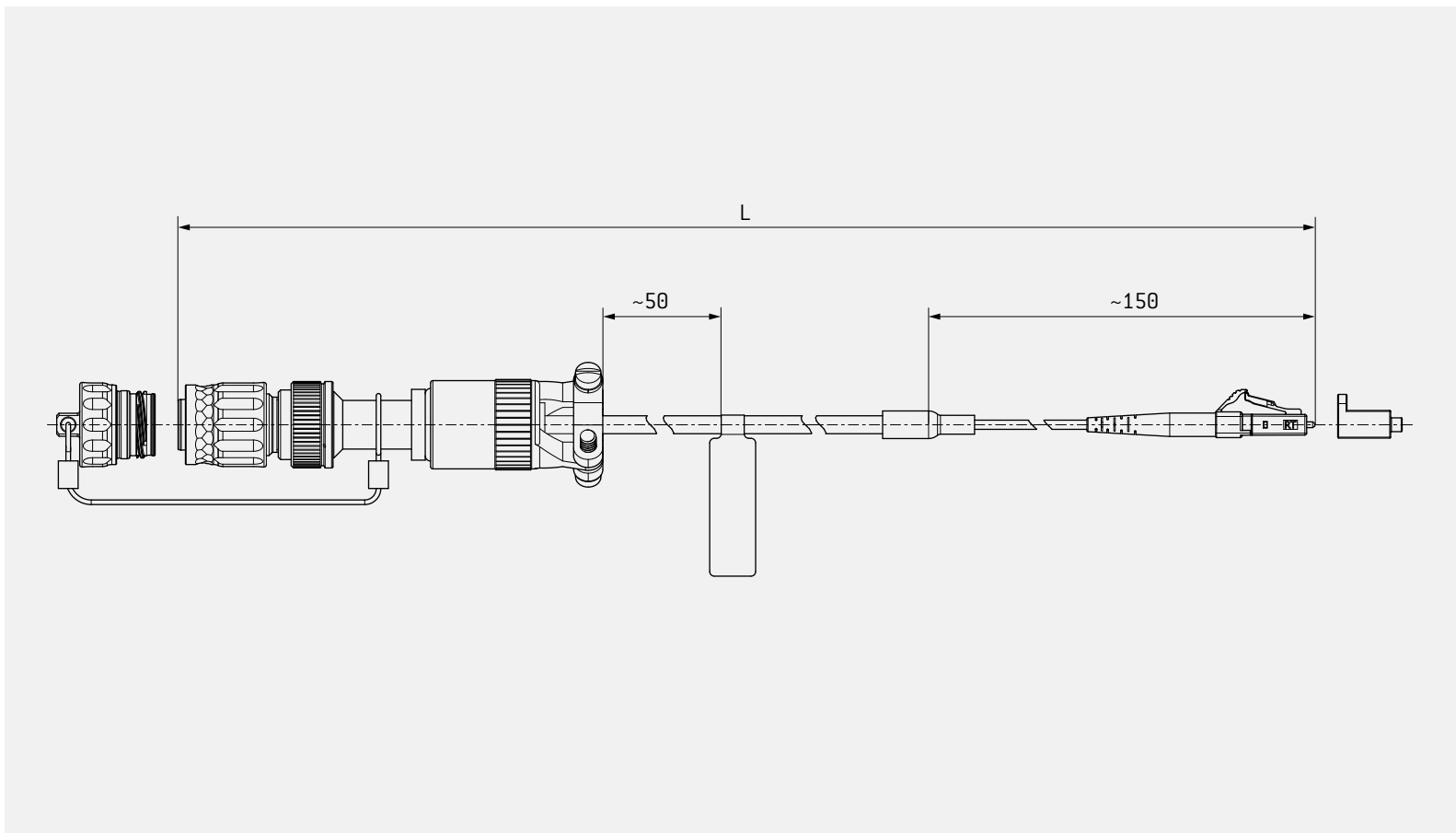


NUMBER KEY:



# EXPANDED BEAM

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.





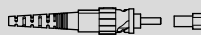
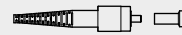

# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

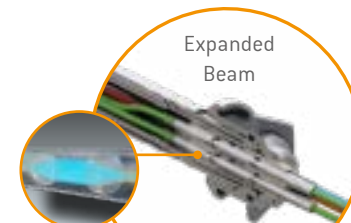
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| YG           | Multimode | LC/PC   |  |
| YF           | Multimode | SC/PC   |  |
| YE           | Multimode | ST/PC   |  |
| YD           | Multimode | FC/PC   |  |
| YC           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

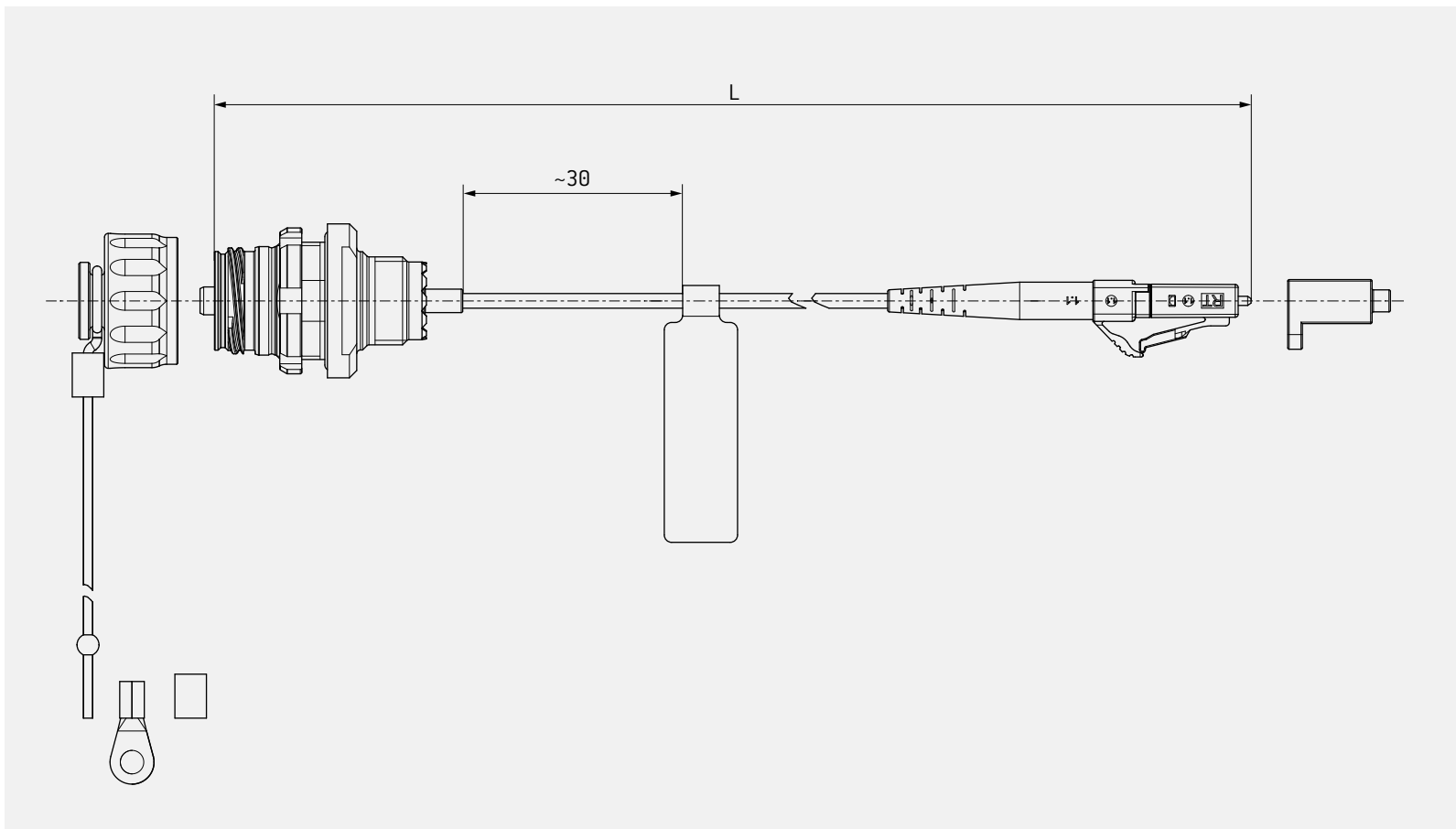


NUMBER KEY:



# EXPANDED BEAM

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY








Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

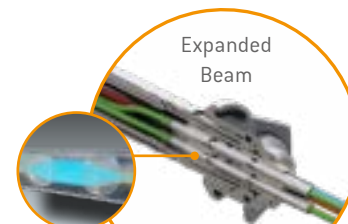
| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| VE           | Multimode | LC/PC   |  |
| VD           | Multimode | SC/PC   |  |
| VC           | Multimode | ST/PC   |  |
| VB           | Multimode | FC/PC   |  |
| VA           | Multimode | E2000/PC  |  |

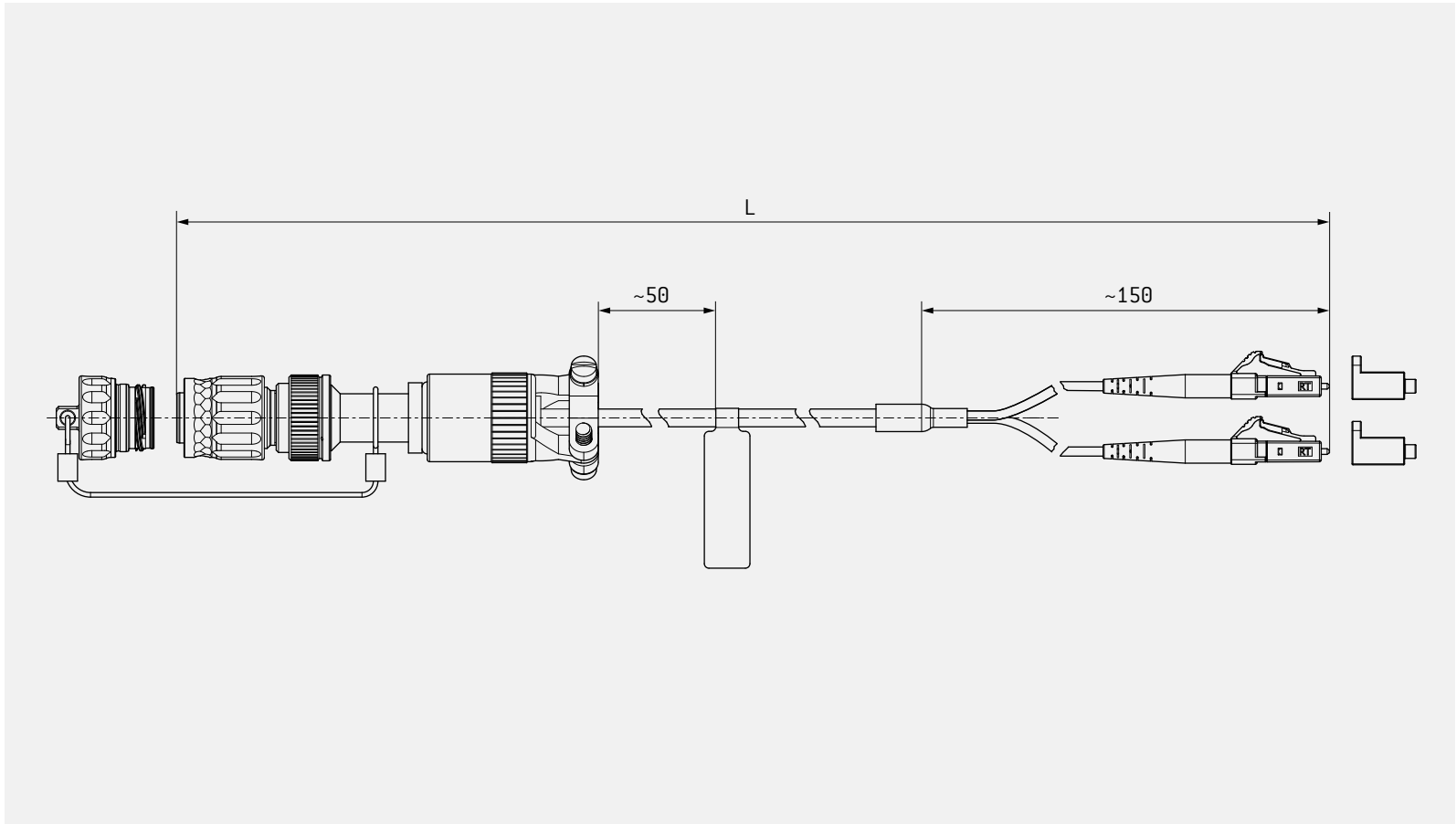
| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

**NUMBER KEY:**



# EXPANDED BEAM

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.



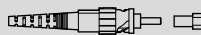
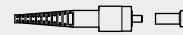

# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

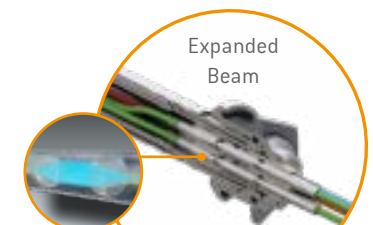
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| XW           | Multimode | LC/PC   |  |
| XV           | Multimode | SC/PC   |  |
| XU           | Multimode | ST/PC   |  |
| XT           | Multimode | FC/PC   |  |
| XS           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

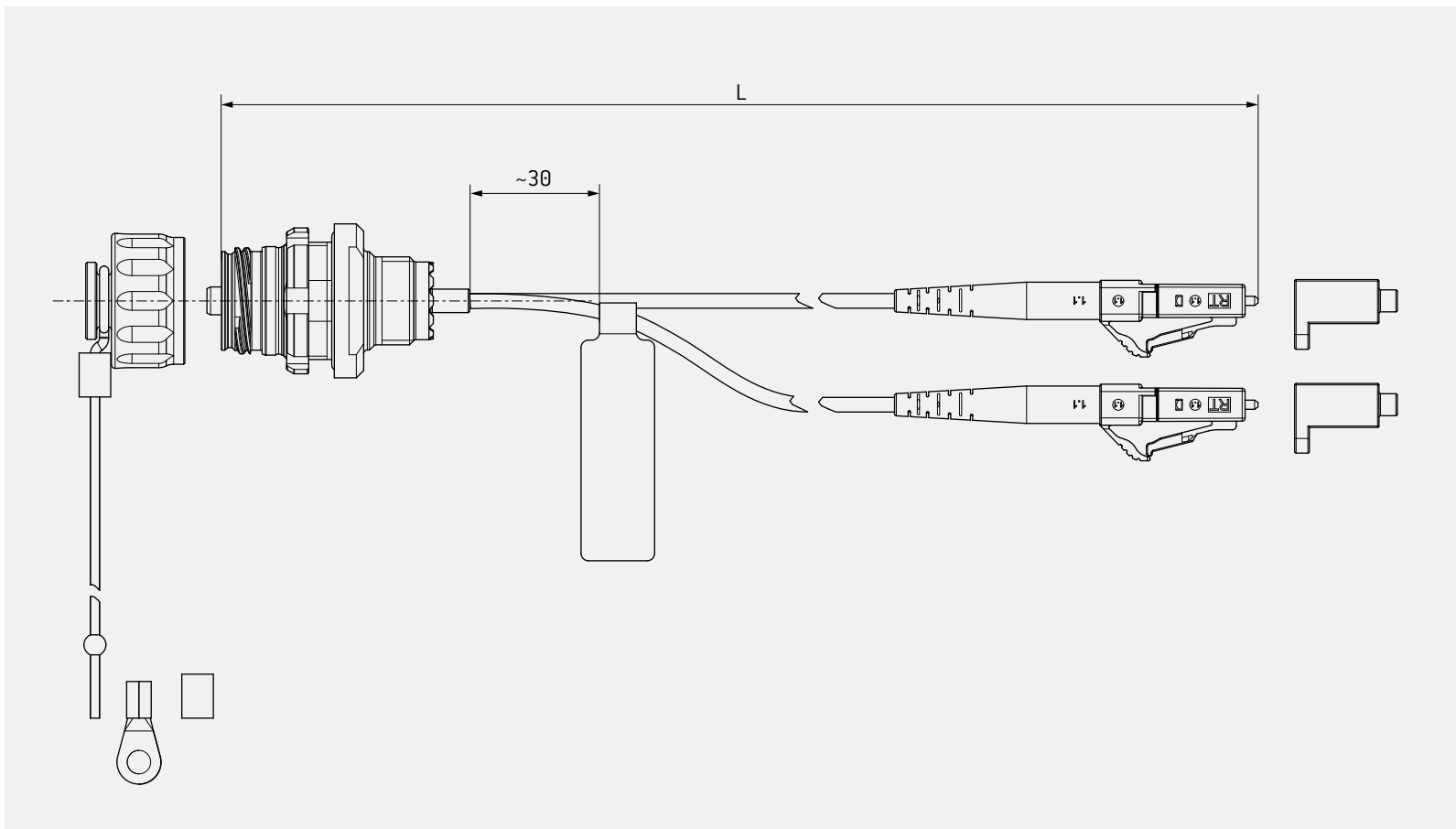


NUMBER KEY:



# EXPANDED BEAM

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY








Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

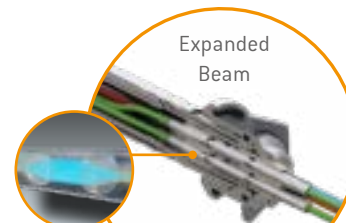
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| UU           | Multimode | LC/PC   |  |
| UT           | Multimode | SC/PC   |  |
| US           | Multimode | ST/PC   |  |
| UR           | Multimode | FC/PC   |  |
| UQ           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

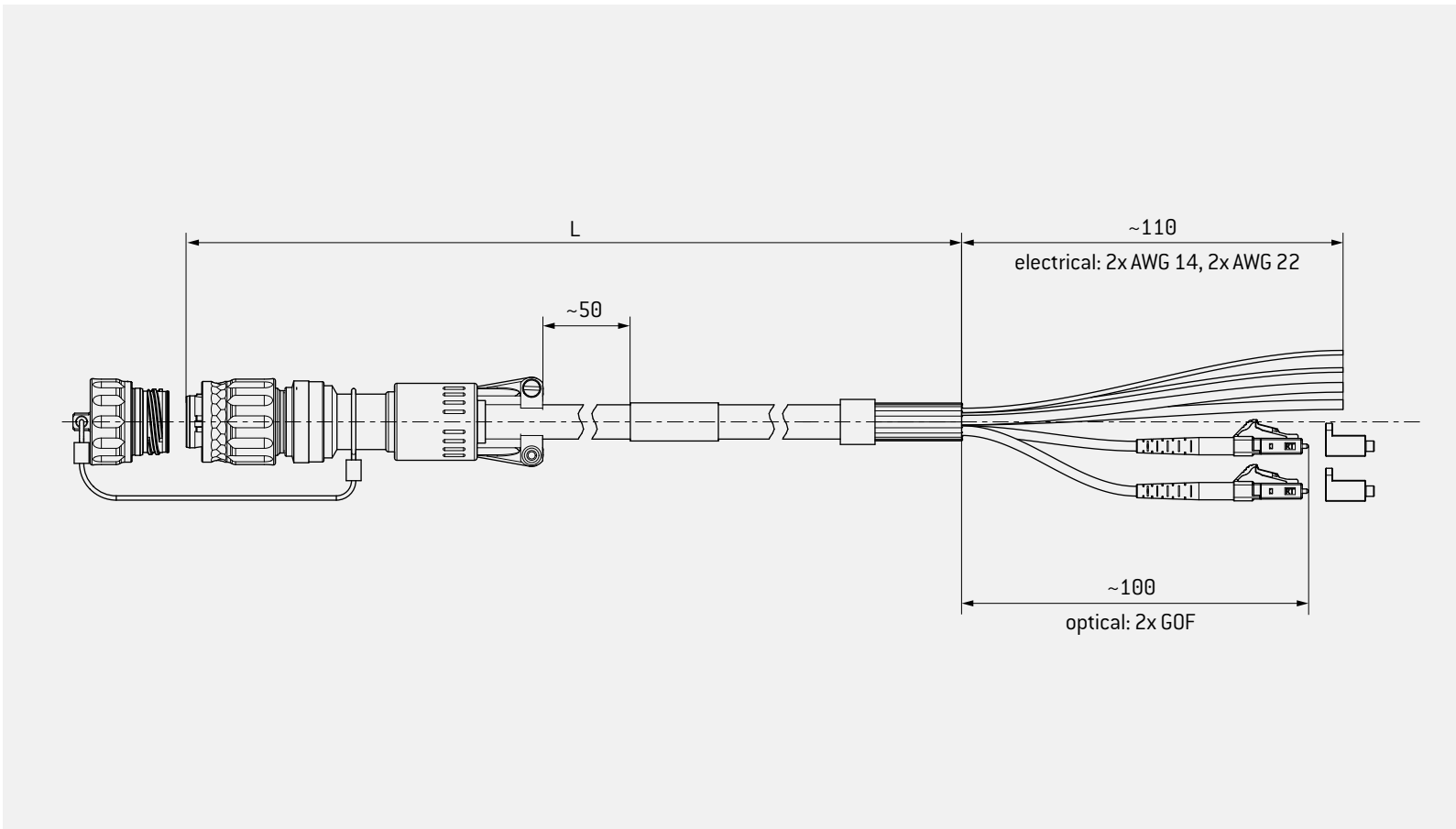


NUMBER KEY:



# EXPANDED BEAM

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.





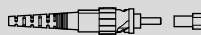
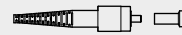

# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

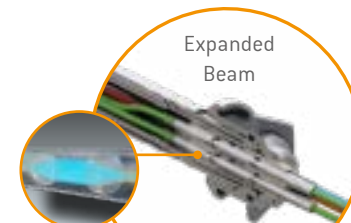
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| WS           | Multimode | LC/PC   |  |
| WR           | Multimode | SC/PC   |  |
| WQ           | Multimode | ST/PC   |  |
| WP           | Multimode | FC/PC   |  |
| W0           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

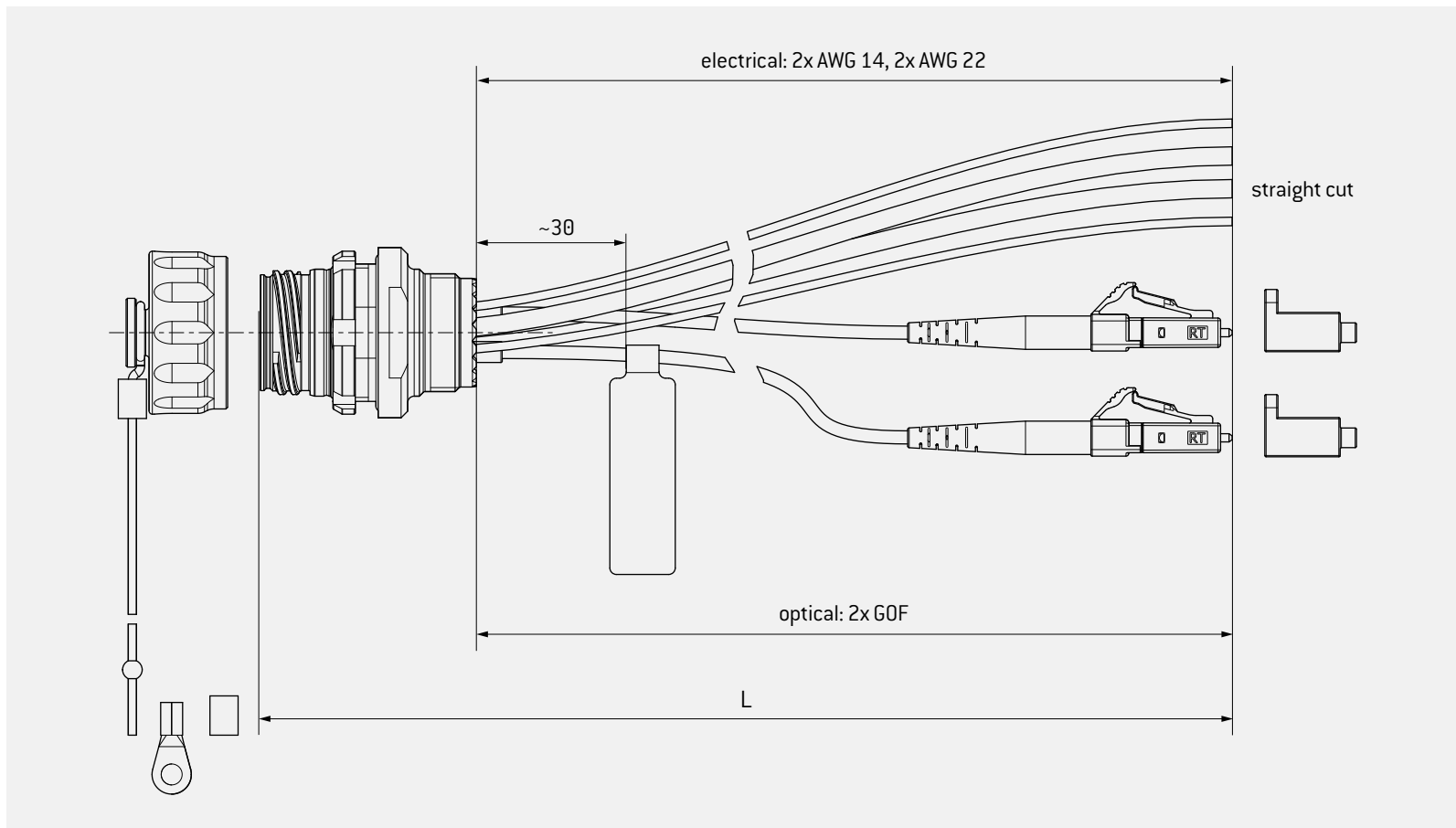


NUMBER KEY:



# EXPANDED BEAM

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY








Please see the respective connector catalogue for a detailed connector specification.

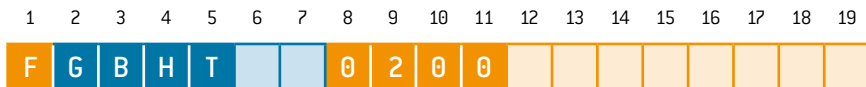
# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

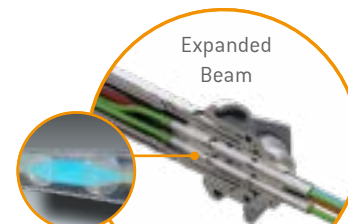
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| TQ           | Multimode | LC/PC   |  |
| TP           | Multimode | SC/PC   |  |
| TO           | Multimode | ST/PC   |  |
| TN           | Multimode | FC/PC   |  |
| TM           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

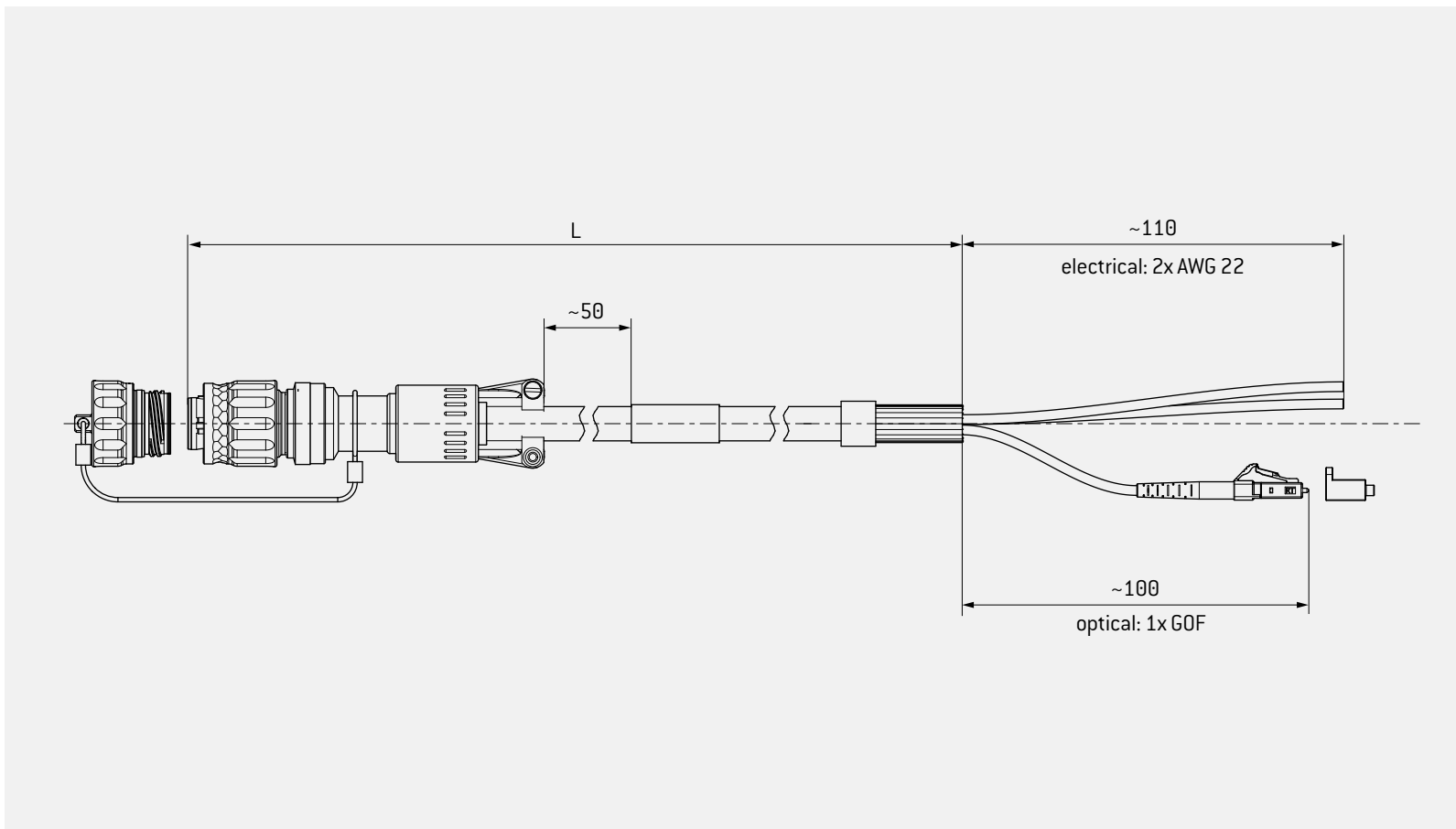


NUMBER KEY:



# EXPANDED BEAM

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.




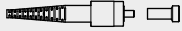

# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

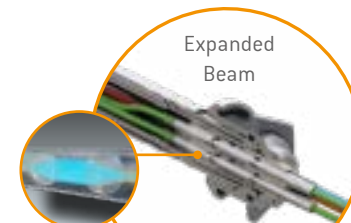
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| XC           | Multimode | LC/PC   |  |
| XB           | Multimode | SC/PC   |  |
| XA           | Multimode | ST/PC   |  |
| X9           | Multimode | FC/PC   |  |
| X8           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

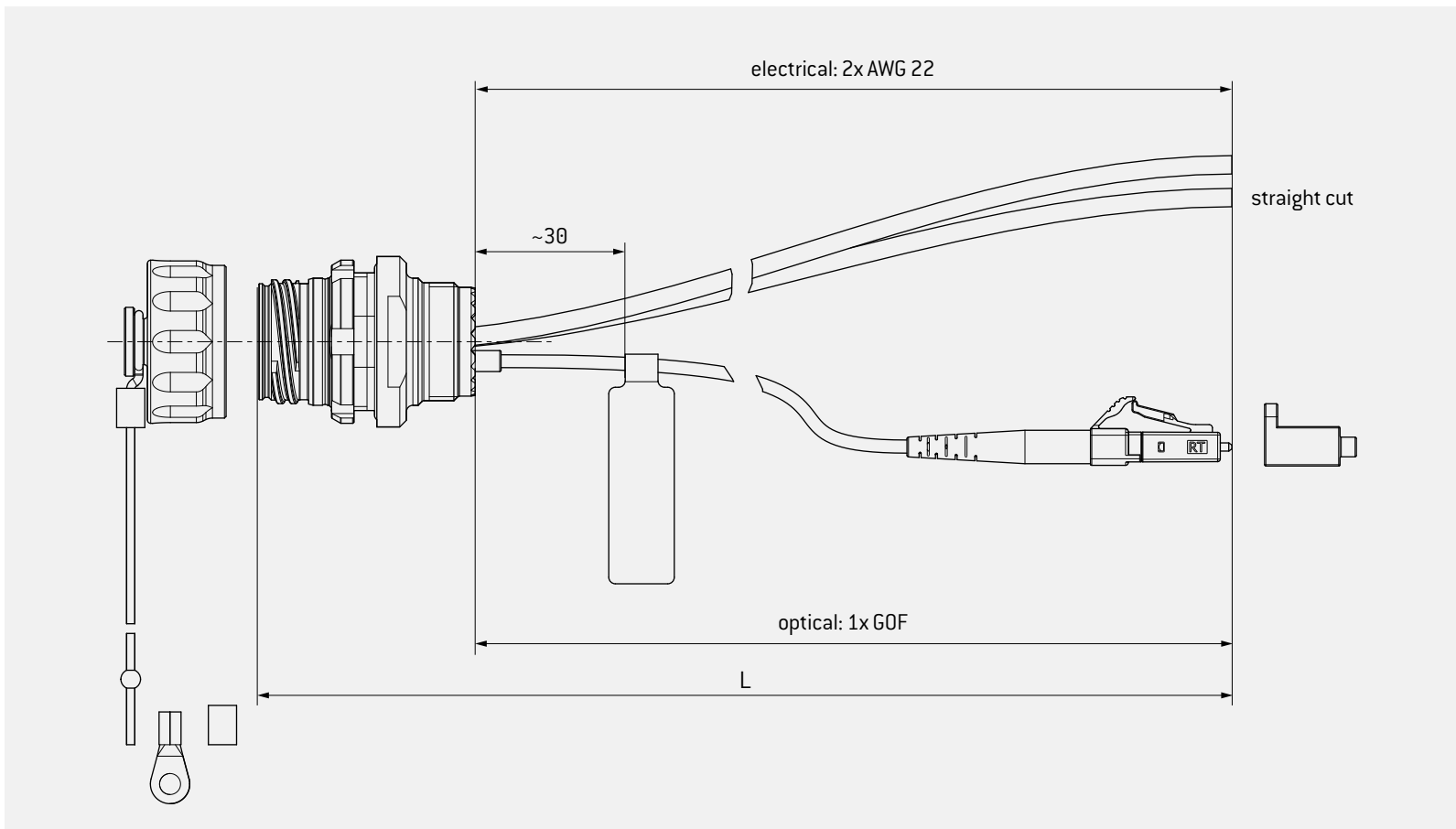


NUMBER KEY:



# EXPANDED BEAM

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY








Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

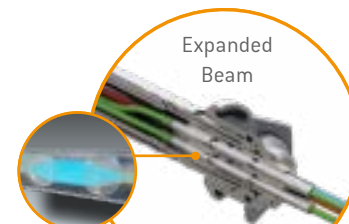
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| UA           | Multimode | LC/PC   |  |
| U9           | Multimode | SC/PC   |  |
| U8           | Multimode | ST/PC   |  |
| U7           | Multimode | FC/PC   |  |
| U6           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |



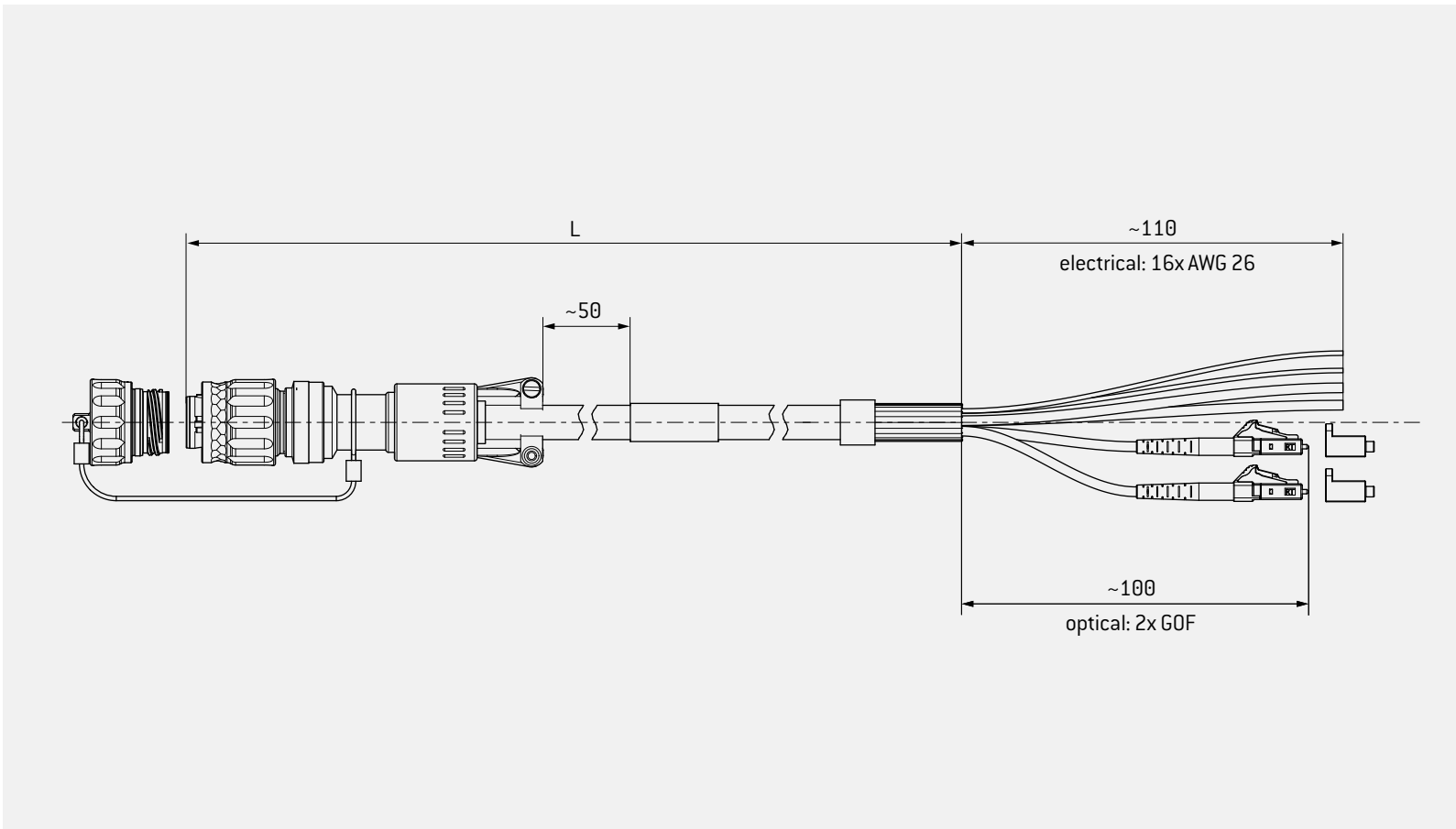
**NUMBER KEY:**





# EXPANDED BEAM

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.



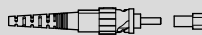
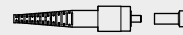

# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

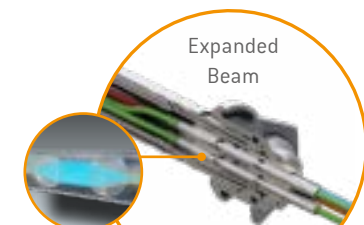
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| W8           | Multimode | LC/PC   |  |
| W7           | Multimode | SC/PC   |  |
| W6           | Multimode | ST/PC   |  |
| W5           | Multimode | FC/PC   |  |
| W4           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

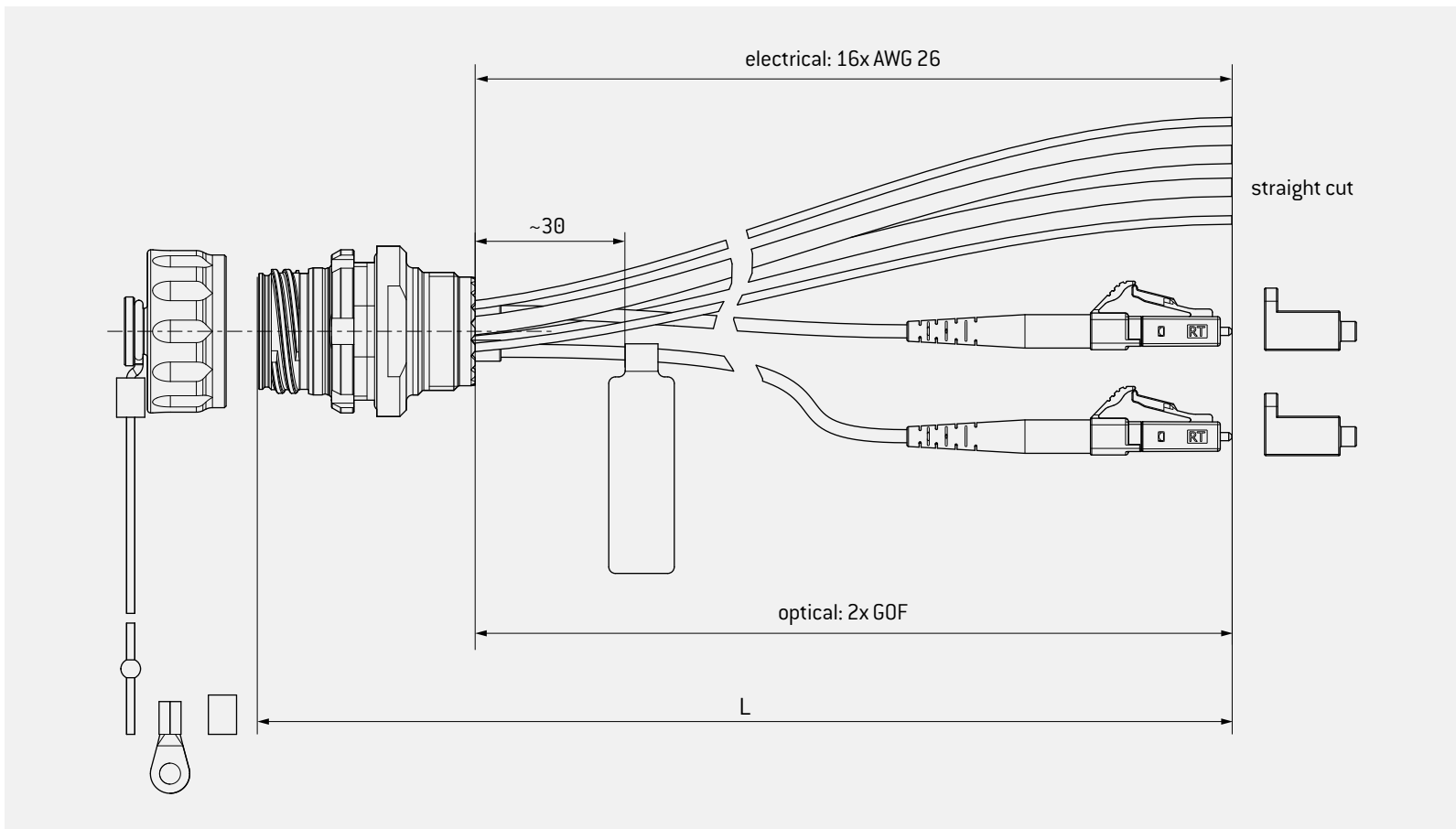


NUMBER KEY:



# EXPANDED BEAM

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY




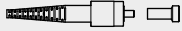



Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

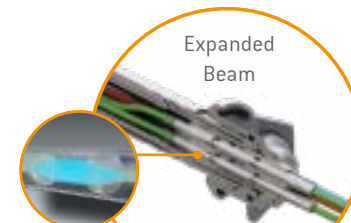
| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| T6           | Multimode | LC/PC   |  |
| T5           | Multimode | SC/PC   |  |
| T4           | Multimode | ST/PC   |  |
| T3           | Multimode | FC/PC   |  |
| T2           | Multimode | E2000/PC  |  |

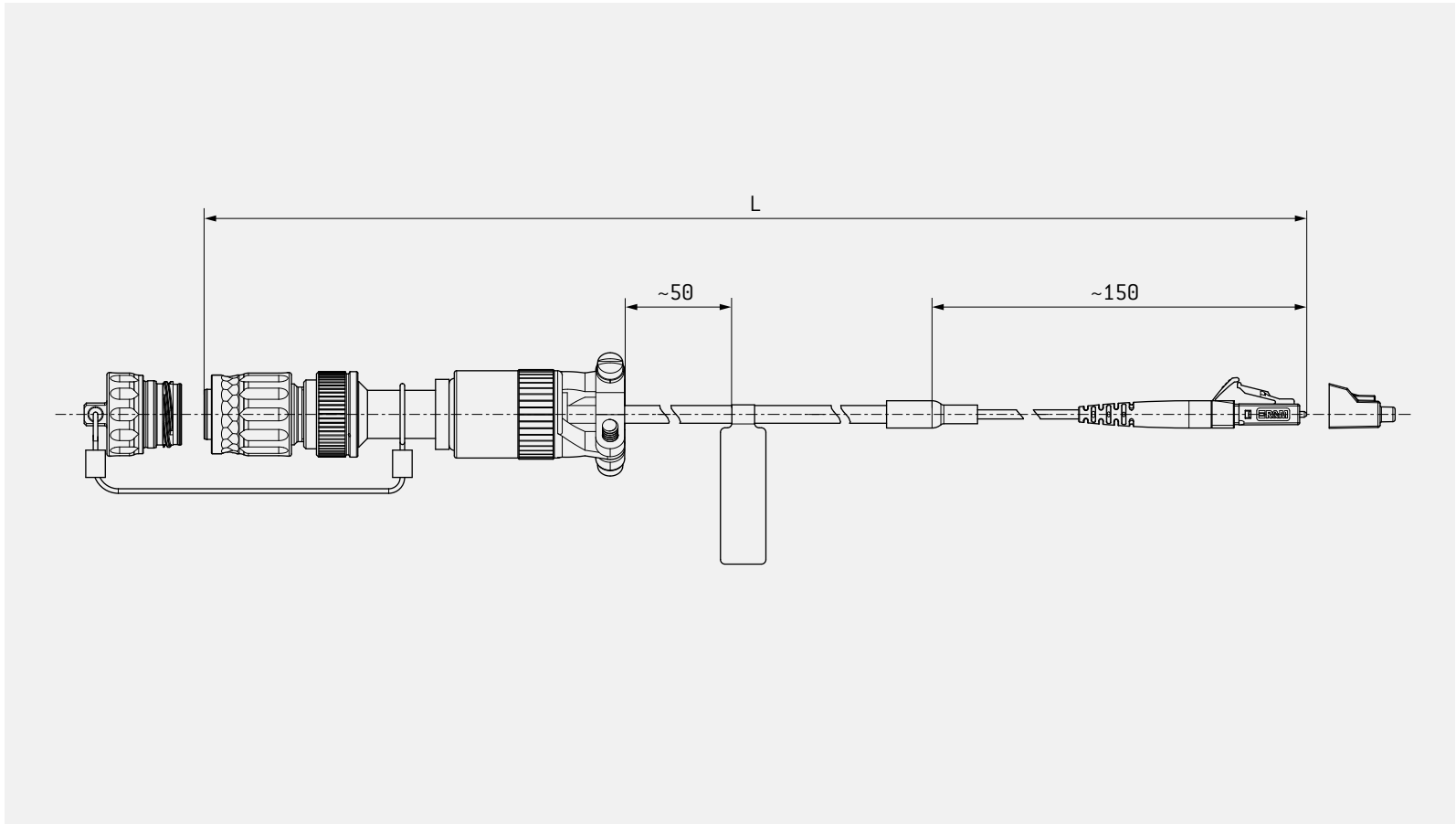
| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

**NUMBER KEY:**



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.



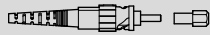


# PART NUMBER KEY

HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

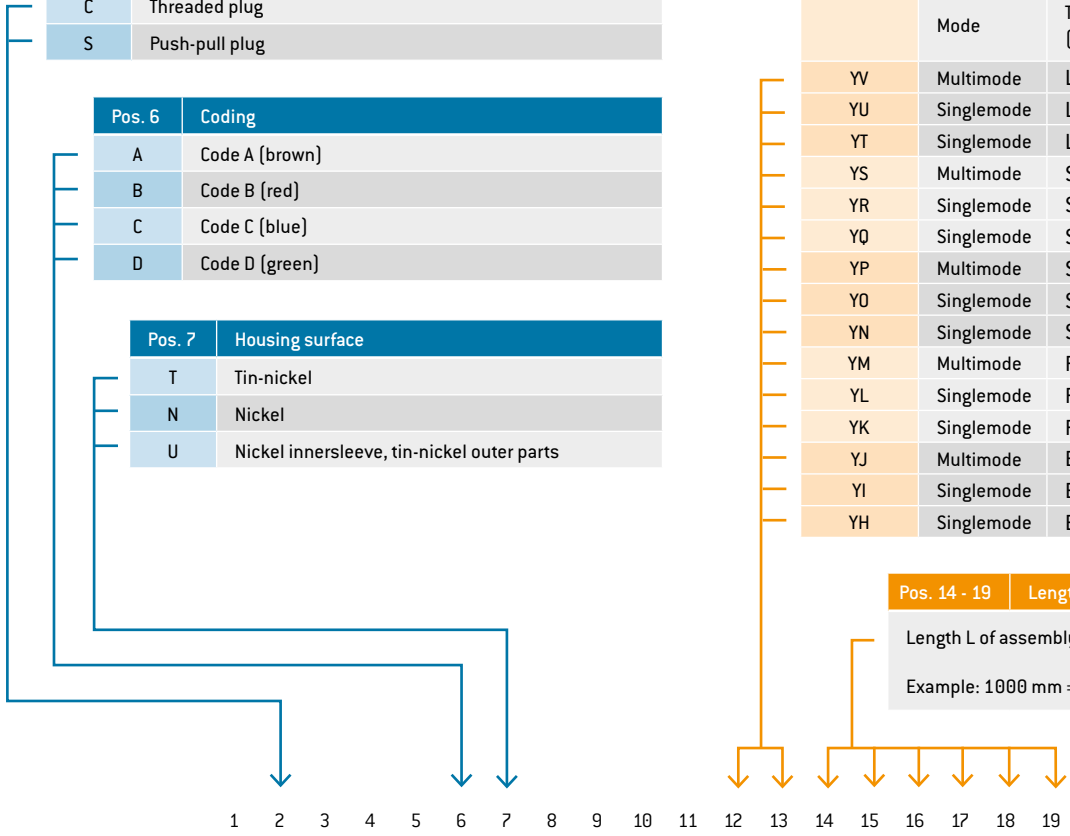
| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

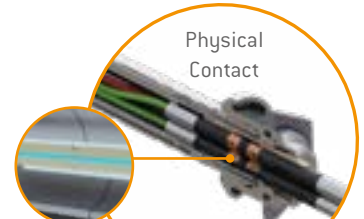
| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| YV           | Multimode  | LC/PC   |  |
| YU           | Singlemode | LC/PC   |   |
| YT           | Singlemode | LC/APC  |   |
| YS           | Multimode  | SC/PC   |  |
| YR           | Singlemode | SC/PC   |   |
| YQ           | Singlemode | SC/APC  |  |
| YP           | Multimode  | ST/PC   |   |
| YO           | Singlemode | ST/PC   |   |
| YN           | Singlemode | ST/APC  |  |
| YM           | Multimode  | FC/PC   |   |
| YL           | Singlemode | FC/PC   |   |
| YK           | Singlemode | FC/APC  |  |
| YJ           | Multimode  | E2000/PC  |   |
| YI           | Singlemode | E2000/PC  |   |
| YH           | Singlemode | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |



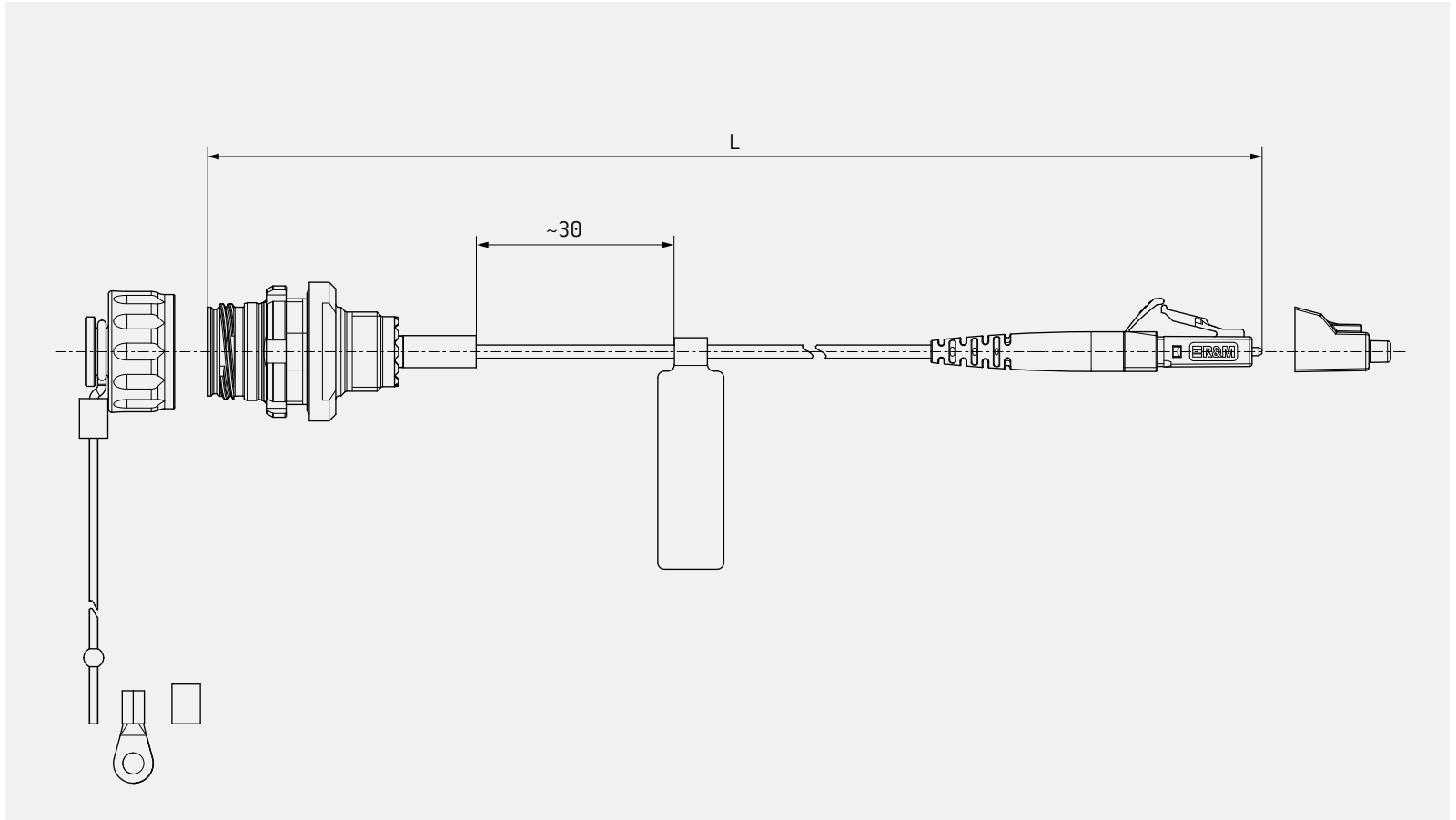
NUMBER KEY:

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| F |   | B | E | T |   |   | 0 | 1 | 7  | 0  |    |    |    |    |    |    |    |    |



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

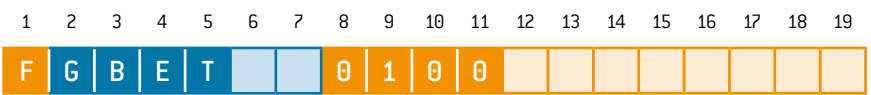
HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

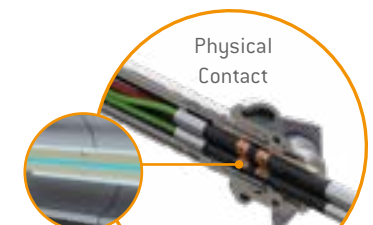
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |            | Count number  |  |
|--------------|------------|---|--|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |  |
| VT           | Multimode  | LC/PC   |  |
| VS           | Singlemode | LC/PC   |  |
| VR           | Singlemode | LC/APC  |  |
| VQ           | Multimode  | SC/PC   |  |
| VP           | Singlemode | SC/PC   |  |
| VO           | Singlemode | SC/APC  |  |
| VN           | Multimode  | ST/PC   |  |
| VM           | Singlemode | ST/PC   |  |
| VL           | Singlemode | ST/APC  |  |
| VK           | Multimode  | FC/PC   |  |
| VJ           | Singlemode | FC/PC   |  |
| VI           | Singlemode | FC/APC  |  |
| VH           | Multimode  | E2000/PC  |  |
| VG           | Singlemode | E2000/PC  |  |
| VF           | Singlemode | E2000/APC   |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |



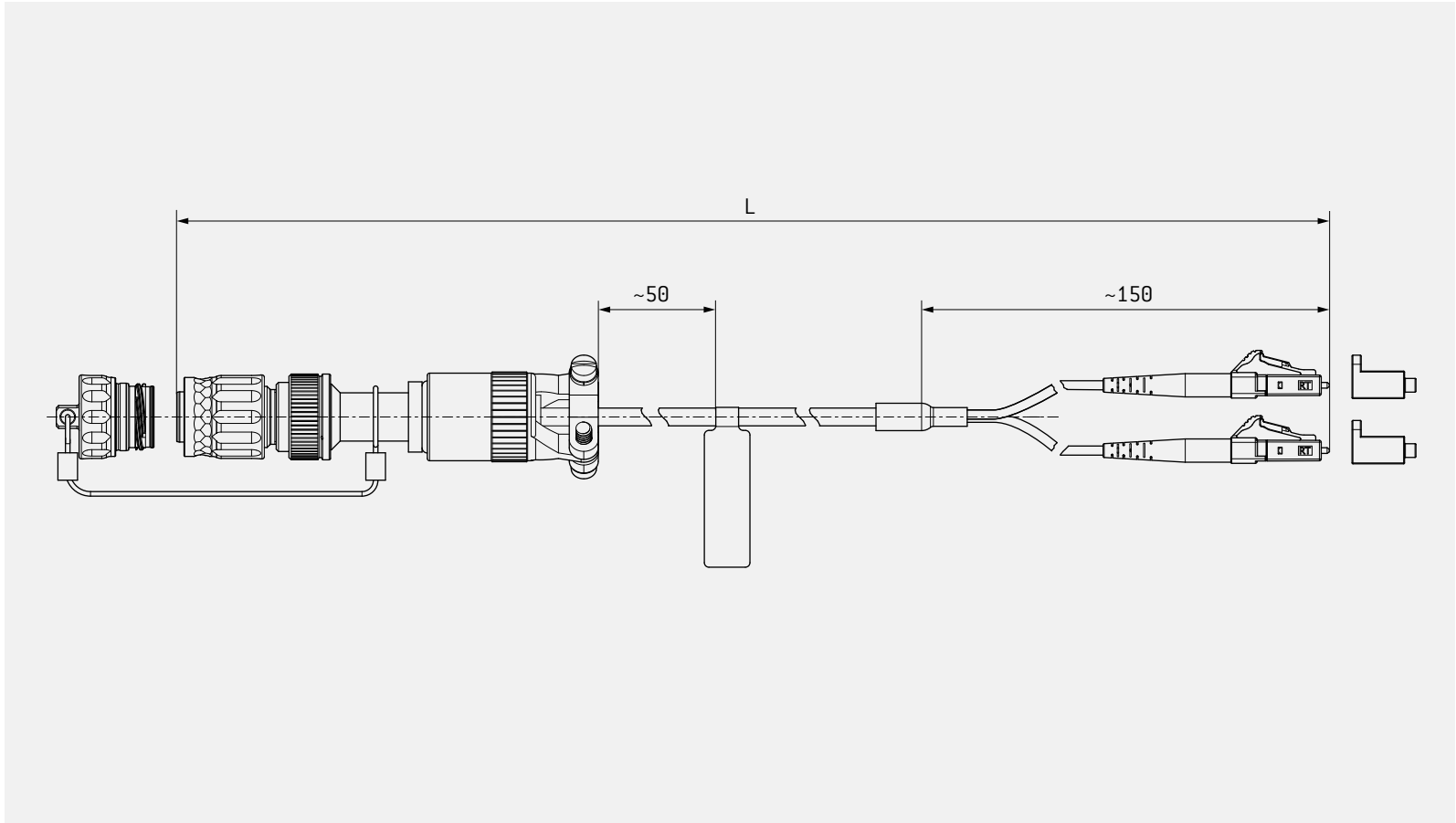
NUMBER KEY:





# PHYSICAL CONTACT

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.



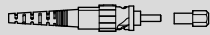
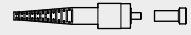


# PART NUMBER KEY

HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

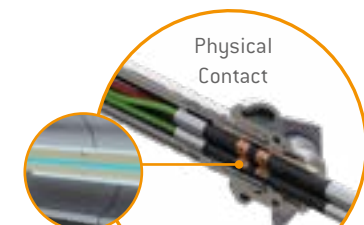
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| YB           | Multimode  | LC/PC   |  |
| YA           | Singlemode | LC/PC   |   |
| Y9           | Singlemode | LC/APC  |  |
| Y8           | Multimode  | SC/PC   |   |
| Y7           | Singlemode | SC/PC   |  |
| Y6           | Singlemode | SC/APC  |   |
| Y5           | Multimode  | ST/PC   |  |
| Y4           | Singlemode | ST/PC   |   |
| Y3           | Singlemode | ST/APC  |  |
| Y2           | Multimode  | FC/PC   |   |
| Y1           | Singlemode | FC/PC   |  |
| Y0           | Singlemode | FC/APC  |   |
| XZ           | Multimode  | E2000/PC  |   |
| XY           | Singlemode | E2000/PC  |   |
| XX           | Singlemode | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

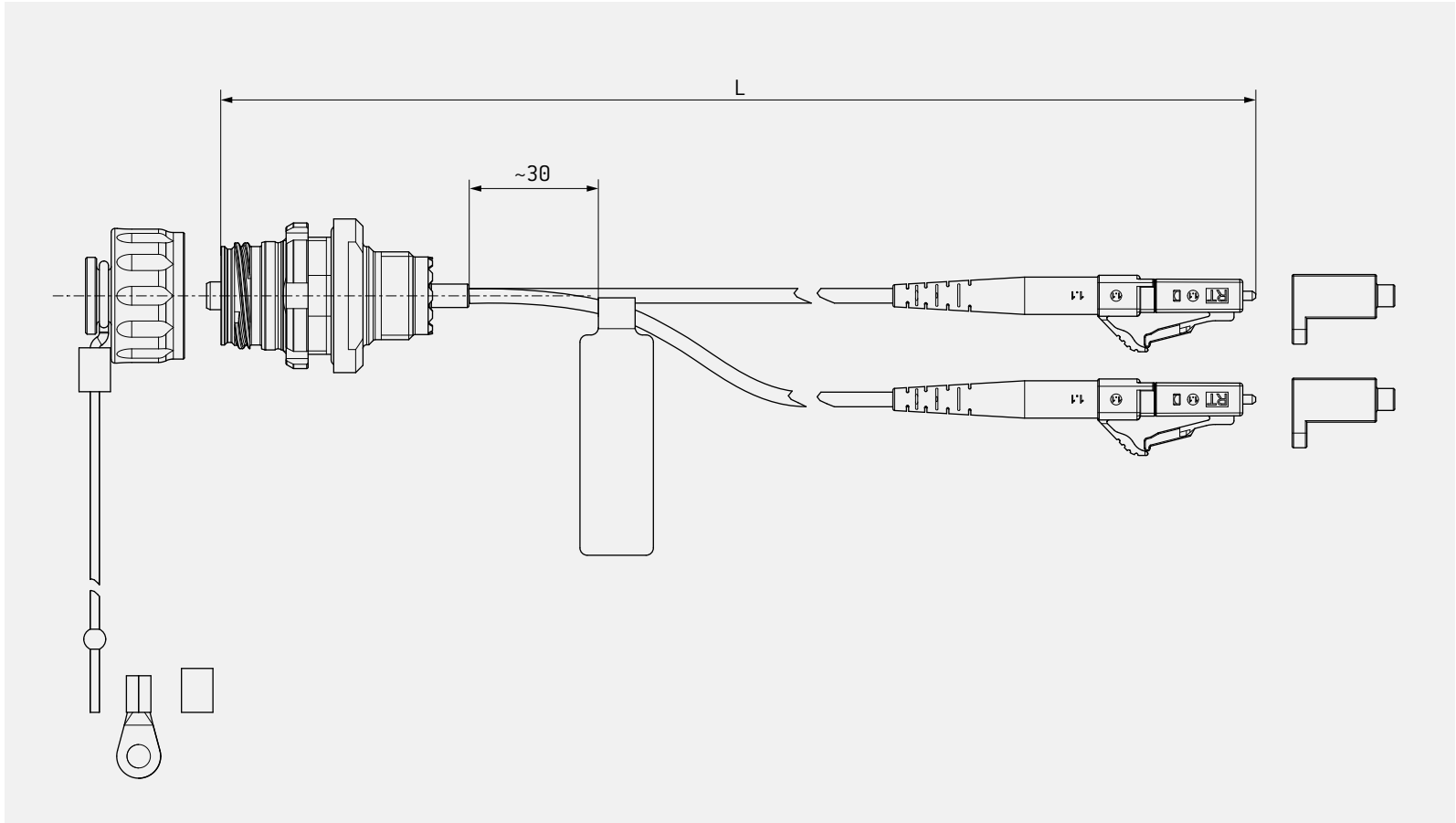


NUMBER KEY:



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY







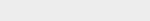


Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

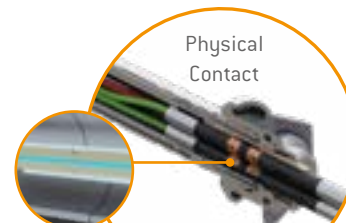
| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 | Count number |   |   |
|--------------|--------------|---|---|
|              | Mode         | Type and polish of Fiber Optic interface connector (2nd side) |   |
| V9           | Multimode    | LC/PC   |  |
| V8           | Singlemode   | LC/PC   |   |
| V7           | Singlemode   | LC/APC  |  |
| V6           | Multimode    | SC/PC   |   |
| V5           | Singlemode   | SC/PC   |  |
| V4           | Singlemode   | SC/APC  |   |
| V3           | Multimode    | ST/PC   |  |
| V2           | Singlemode   | ST/PC   |   |
| V1           | Singlemode   | ST/APC  |  |
| V0           | Multimode    | FC/PC   |   |
| UZ           | Singlemode   | FC/PC   |  |
| UY           | Singlemode   | FC/APC  |   |
| UX           | Multimode    | E2000/PC  |  |
| UW           | Singlemode   | E2000/PC  |   |
| UV           | Singlemode   | E2000/APC   |   |

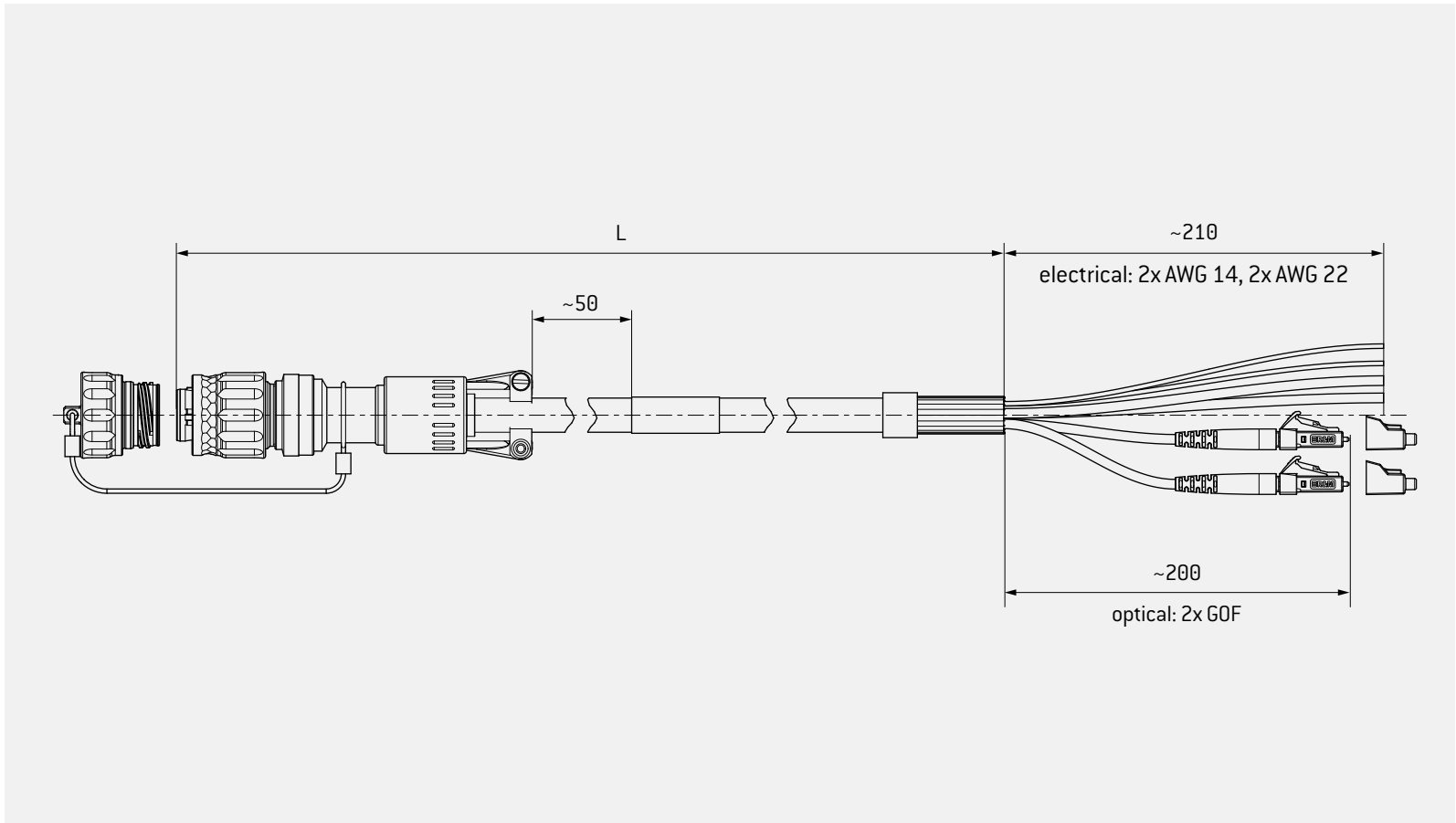
| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

**NUMBER KEY:**



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.



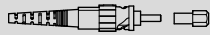
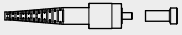

# PART NUMBER KEY

HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

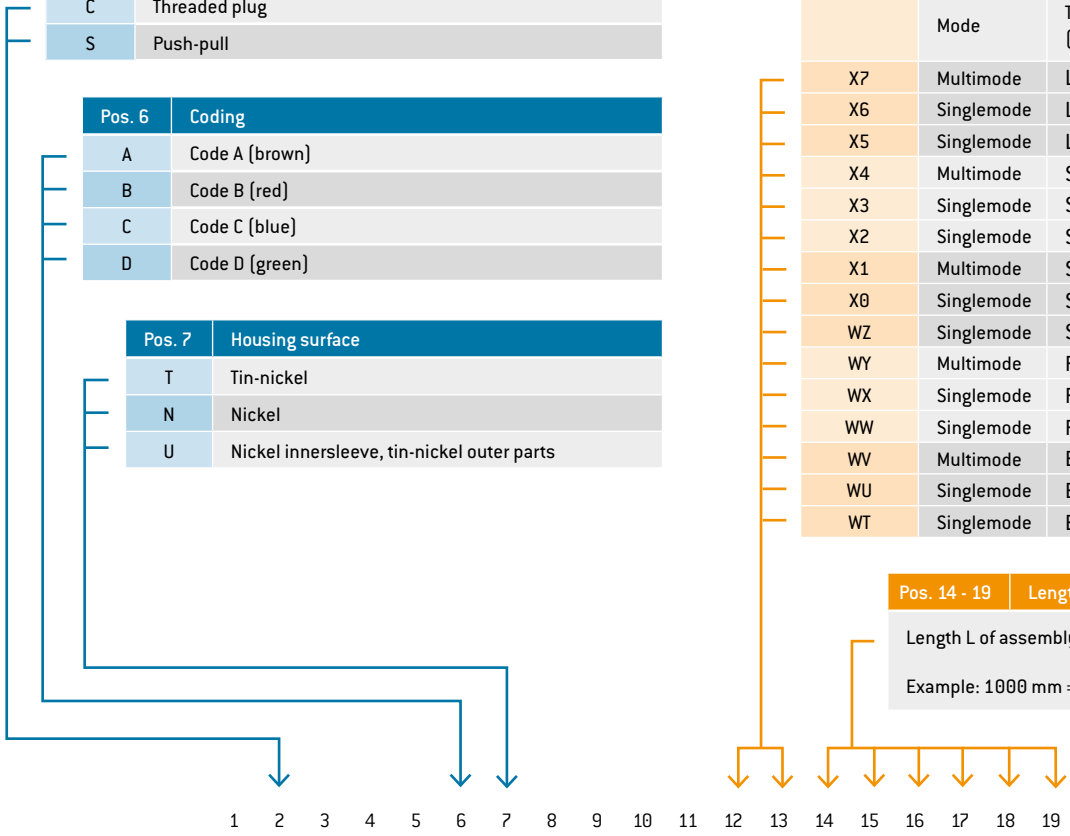
| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull      |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| X7           | Multimode  | LC/PC   |  |
| X6           | Singlemode | LC/PC   |   |
| X5           | Singlemode | LC/APC  |  |
| X4           | Multimode  | SC/PC   |   |
| X3           | Singlemode | SC/PC   |   |
| X2           | Singlemode | SC/APC  |  |
| X1           | Multimode  | ST/PC   |   |
| X0           | Singlemode | ST/PC   |  |
| WZ           | Singlemode | ST/APC  |   |
| WY           | Multimode  | FC/PC   |   |
| WX           | Singlemode | FC/PC   |  |
| WW           | Singlemode | FC/APC  |   |
| WV           | Multimode  | E2000/PC  |   |
| WU           | Singlemode | E2000/PC  |   |
| WT           | Singlemode | E2000/APC   |   |

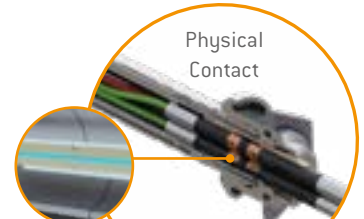
| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |



NUMBER KEY:

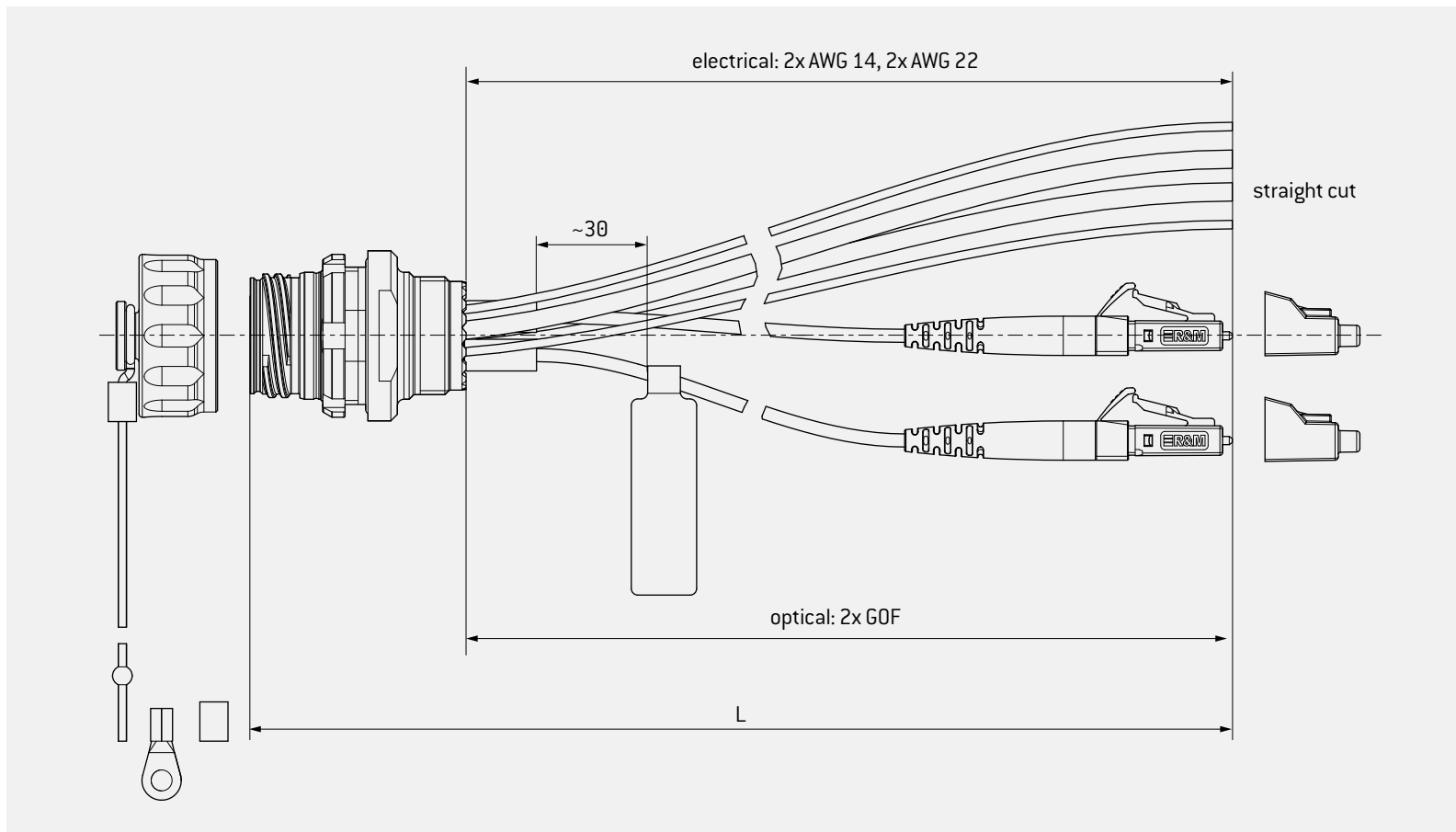
|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| F |   | B | H | T |   |   | 0 | 2 | 7  | 0  |    |    |    |    |    |    |    |    |

All electrical contacts



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY




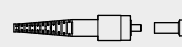



Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

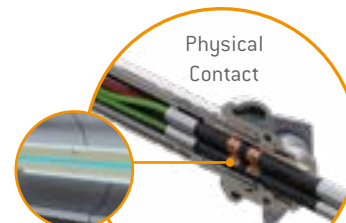
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 | Count number |   |   |
|--------------|--------------|---|---|
|              | Mode         | Type and polish of Fiber Optic interface connector (2nd side) |   |
| U5           | Multimode    | LC/PC   |  |
| U4           | Singlemode   | LC/PC   |   |
| U3           | Singlemode   | LC/APC  |   |
| U2           | Multimode    | SC/PC   |  |
| U1           | Singlemode   | SC/PC   |   |
| U0           | Singlemode   | SC/APC  |   |
| TZ           | Multimode    | ST/PC   |  |
| TY           | Singlemode   | ST/PC   |   |
| TX           | Singlemode   | ST/APC  |   |
| TW           | Multimode    | FC/PC   |  |
| TV           | Singlemode   | FC/PC   |   |
| TU           | Singlemode   | FC/APC  |   |
| TT           | Multimode    | E2000/PC  |  |
| TS           | Singlemode   | E2000/PC  |   |
| TR           | Singlemode   | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |



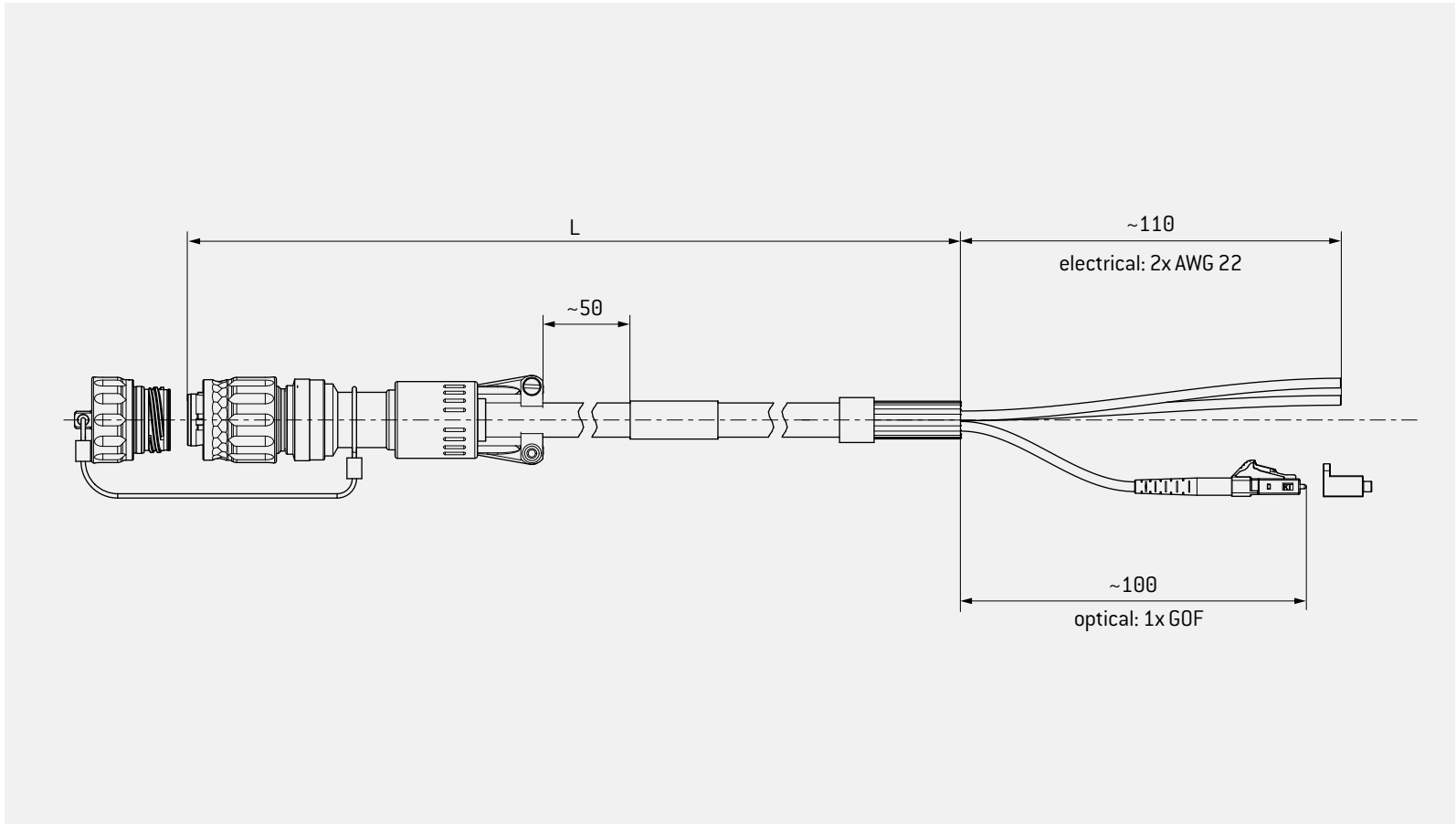
NUMBER KEY:





# PHYSICAL CONTACT

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.



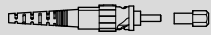
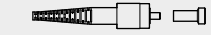


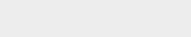
# PART NUMBER KEY

HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

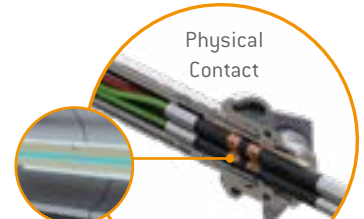
| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| XR           | Multimode  | LC/PC   |  |
| XQ           | Singlemode | LC/PC   |   |
| XP           | Singlemode | LC/APC  |  |
| XO           | Multimode  | SC/PC   |   |
| XN           | Singlemode | SC/PC   |  |
| XM           | Singlemode | SC/APC  |   |
| XL           | Multimode  | ST/PC   |  |
| XK           | Singlemode | ST/PC   |   |
| XJ           | Singlemode | ST/APC  |  |
| XI           | Multimode  | FC/PC   |   |
| XH           | Singlemode | FC/PC   |  |
| XG           | Singlemode | FC/APC  |   |
| XF           | Multimode  | E2000/PC  |  |
| XE           | Singlemode | E2000/PC  |   |
| XD           | Singlemode | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |



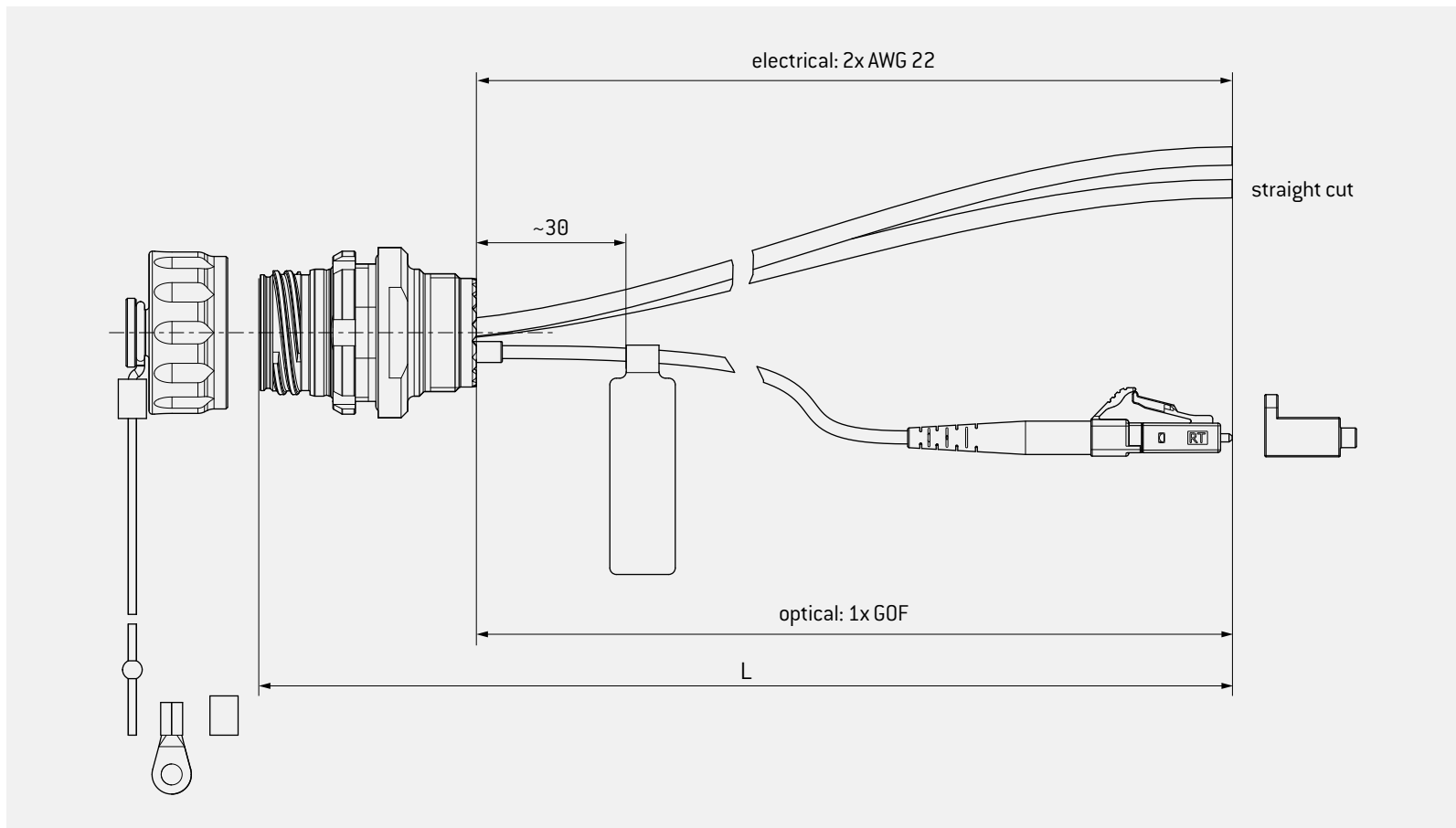
NUMBER KEY:

F B E T 0 1 7 0



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY




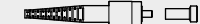


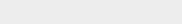


Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

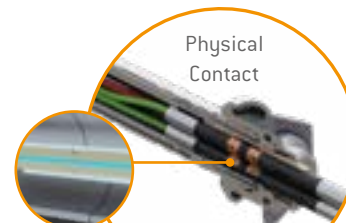
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| UP           | Multimode  | LC/PC   |  |
| UO           | Singlemode | LC/PC   |   |
| UN           | Singlemode | LC/APC  |  |
| UM           | Multimode  | SC/PC   |   |
| UL           | Singlemode | SC/PC   |  |
| UK           | Singlemode | SC/APC  |   |
| UJ           | Multimode  | ST/PC   |  |
| UI           | Singlemode | ST/PC   |   |
| UH           | Singlemode | ST/APC  |  |
| UG           | Multimode  | FC/PC   |   |
| UF           | Singlemode | FC/PC   |  |
| UE           | Singlemode | FC/APC  |   |
| UD           | Multimode  | E2000/PC  |  |
| UC           | Singlemode | E2000/PC  |   |
| UB           | Singlemode | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

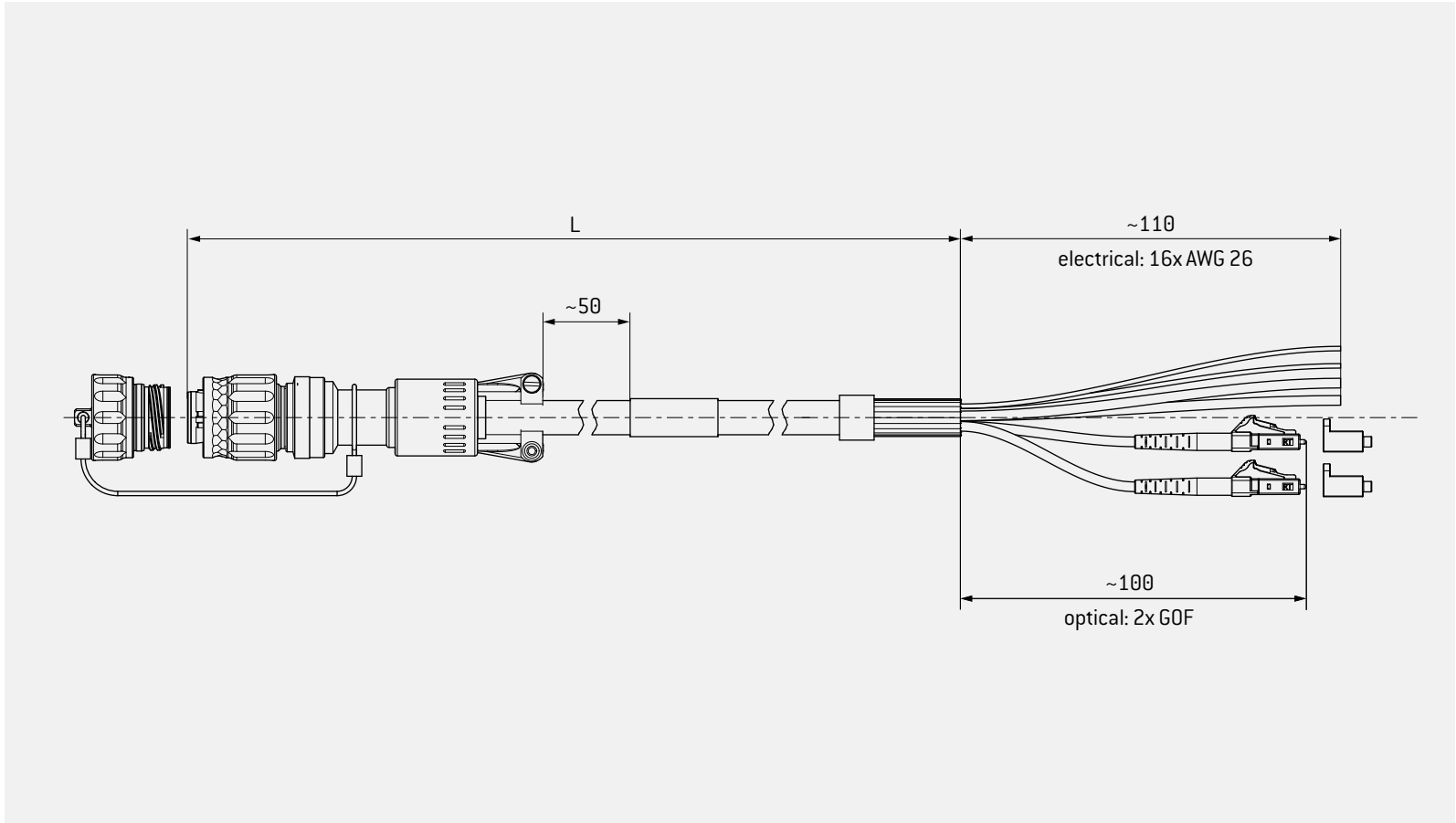


NUMBER KEY:



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.



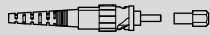
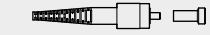


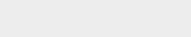
# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

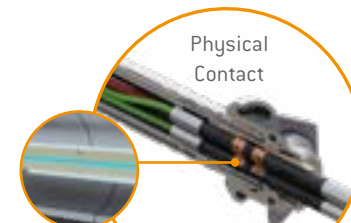
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| WN           | Multimode  | LC/PC   |  |
| WM           | Singlemode | LC/PC   |   |
| WL           | Singlemode | LC/APC  |  |
| WK           | Multimode  | SC/PC   |   |
| WJ           | Singlemode | SC/PC   |  |
| WI           | Singlemode | SC/APC  |   |
| WH           | Multimode  | ST/PC   |  |
| WG           | Singlemode | ST/PC   |   |
| WF           | Singlemode | ST/APC  |  |
| WE           | Multimode  | FC/PC   |   |
| WD           | Singlemode | FC/PC   |  |
| WC           | Singlemode | FC/APC  |   |
| WB           | Multimode  | E2000/PC  |  |
| WA           | Singlemode | E2000/PC  |   |
| W9           | Singlemode | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

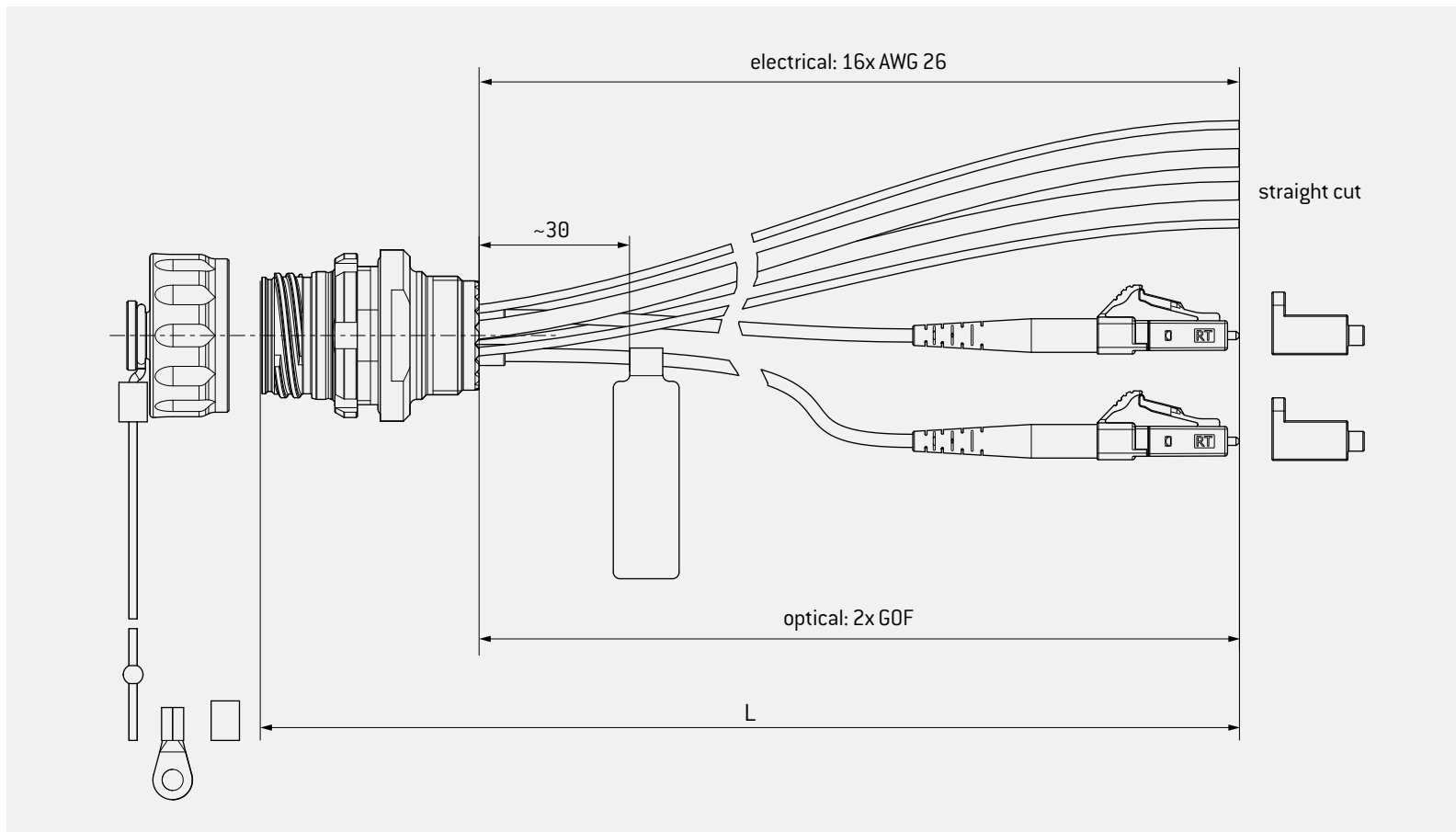


NUMBER KEY:



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

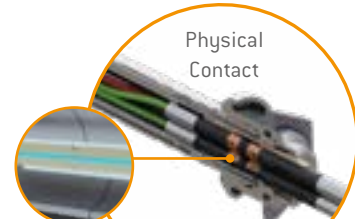
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |            | Count number  |  |
|--------------|------------|---|--|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |  |
| TL           | Multimode  | LC/PC   |  |
| TK           | Singlemode | LC/PC   |  |
| TJ           | Singlemode | LC/APC  |  |
| TI           | Multimode  | SC/PC   |  |
| TH           | Singlemode | SC/PC   |  |
| TG           | Singlemode | SC/APC  |  |
| TF           | Multimode  | ST/PC   |  |
| TE           | Singlemode | ST/PC   |  |
| TD           | Singlemode | ST/APC  |  |
| TC           | Multimode  | FC/PC   |  |
| TB           | Singlemode | FC/PC   |  |
| TA           | Singlemode | FC/APC  |  |
| T9           | Multimode  | E2000/PC  |  |
| T8           | Singlemode | E2000/PC  |  |
| T7           | Singlemode | E2000/APC   |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

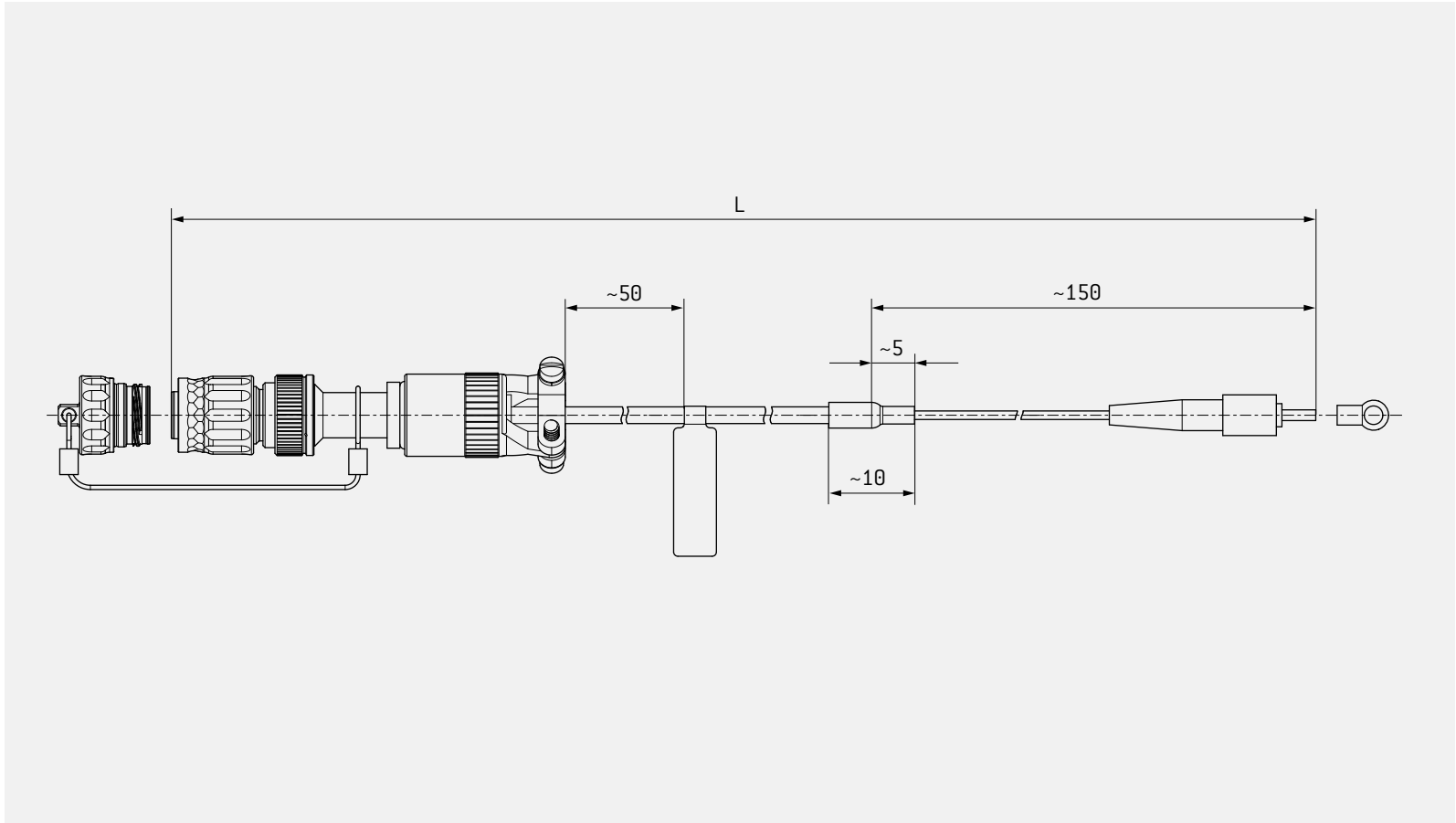


NUMBER KEY:





# POLYMER OPTICAL FIBER (POF) HARSH ENVIRONMENT / CONNECTOR ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.

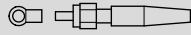

# PART NUMBER KEY

HARSH ENVIRONMENT / CONNECTOR ASSEMBLY

| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

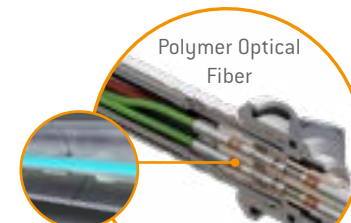
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| W2           | Multimode | ST/PC   |  |
| W3           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |



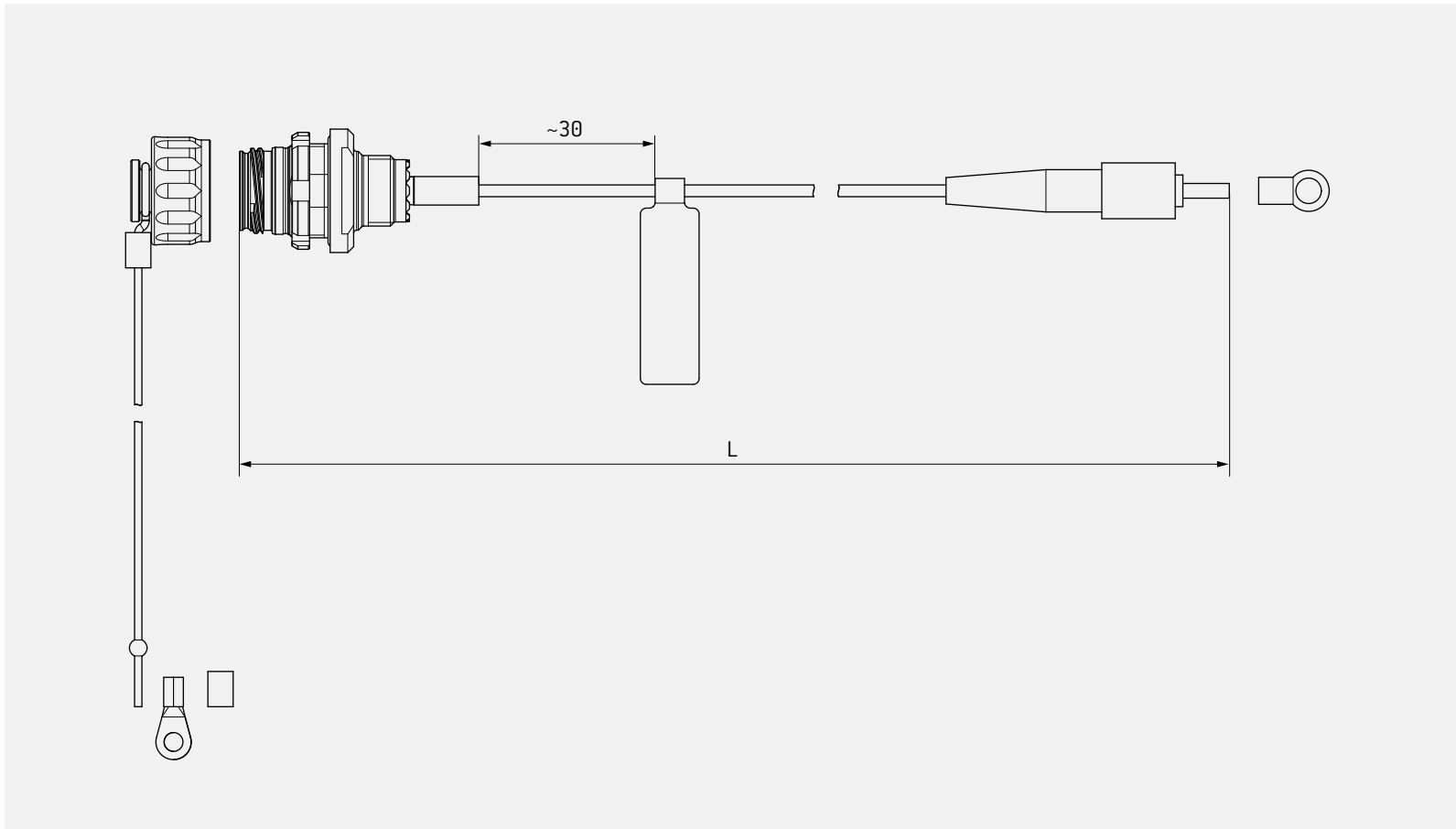
NUMBER KEY:

|   |  |   |   |   |  |  |   |   |   |   |  |  |  |  |  |  |  |  |
|---|--|---|---|---|--|--|---|---|---|---|--|--|--|--|--|--|--|--|
| F |  | B | E | T |  |  | 0 | 1 | 7 | 0 |  |  |  |  |  |  |  |  |
|---|--|---|---|---|--|--|---|---|---|---|--|--|--|--|--|--|--|--|



# POLYMER OPTICAL FIBER (POF)

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY



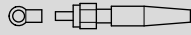

Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

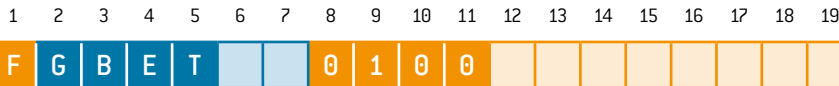
HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

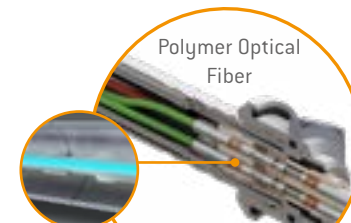
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| T0           | Multimode | ST/PC   |  |
| T1           | Multimode | FSMA/PC   |  |

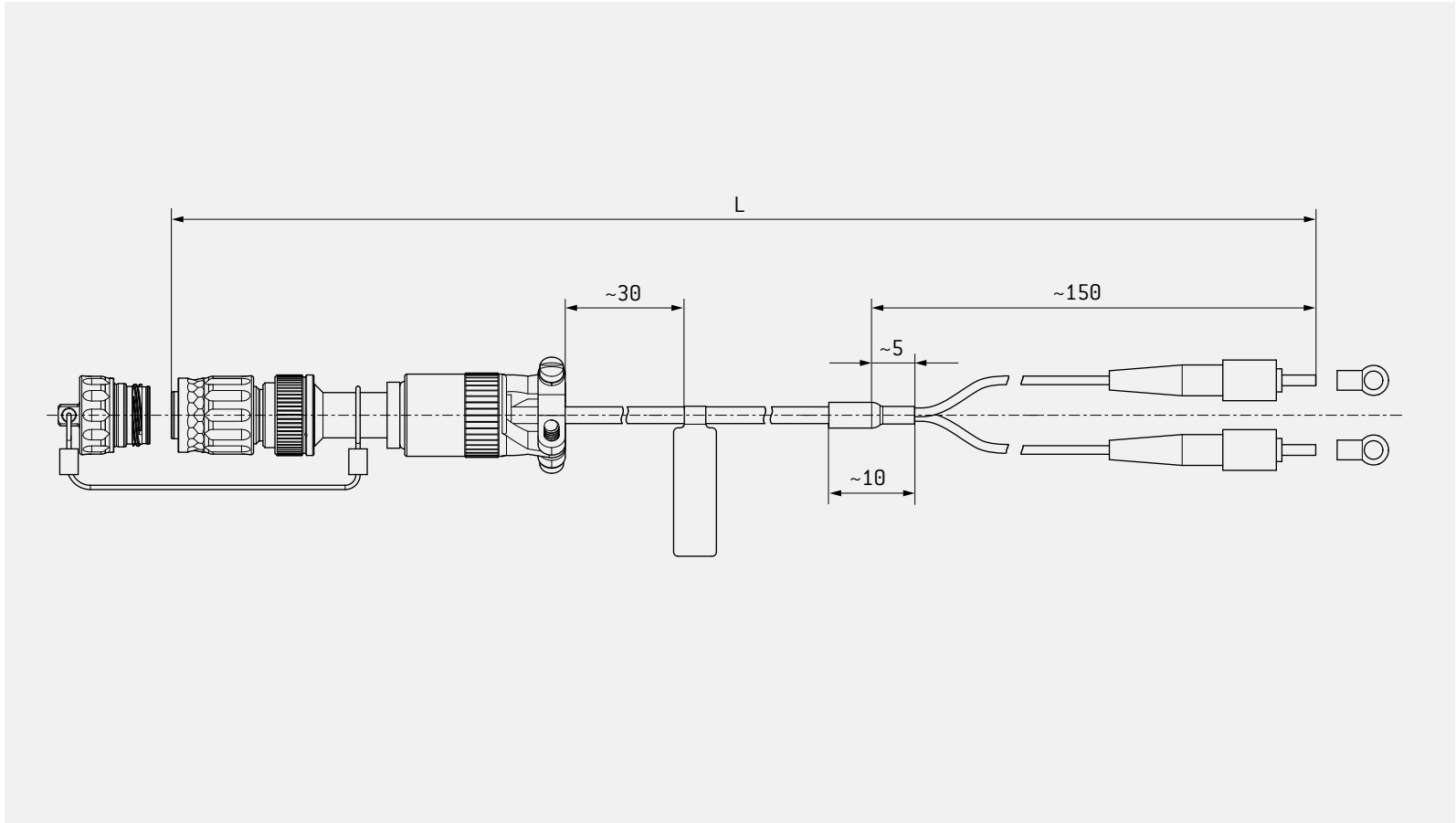
| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |



NUMBER KEY:



# POLYMER OPTICAL FIBER (POF) HARSH ENVIRONMENT / CONNECTOR ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.

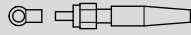

# PART NUMBER KEY

HARSH ENVIRONMENT / CONNECTOR ASSEMBLY

| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

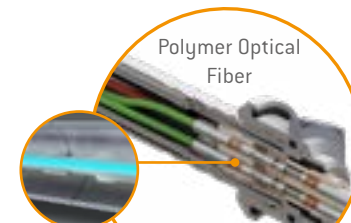
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| W0           | Multimode | ST/PC   |  |
| W1           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |

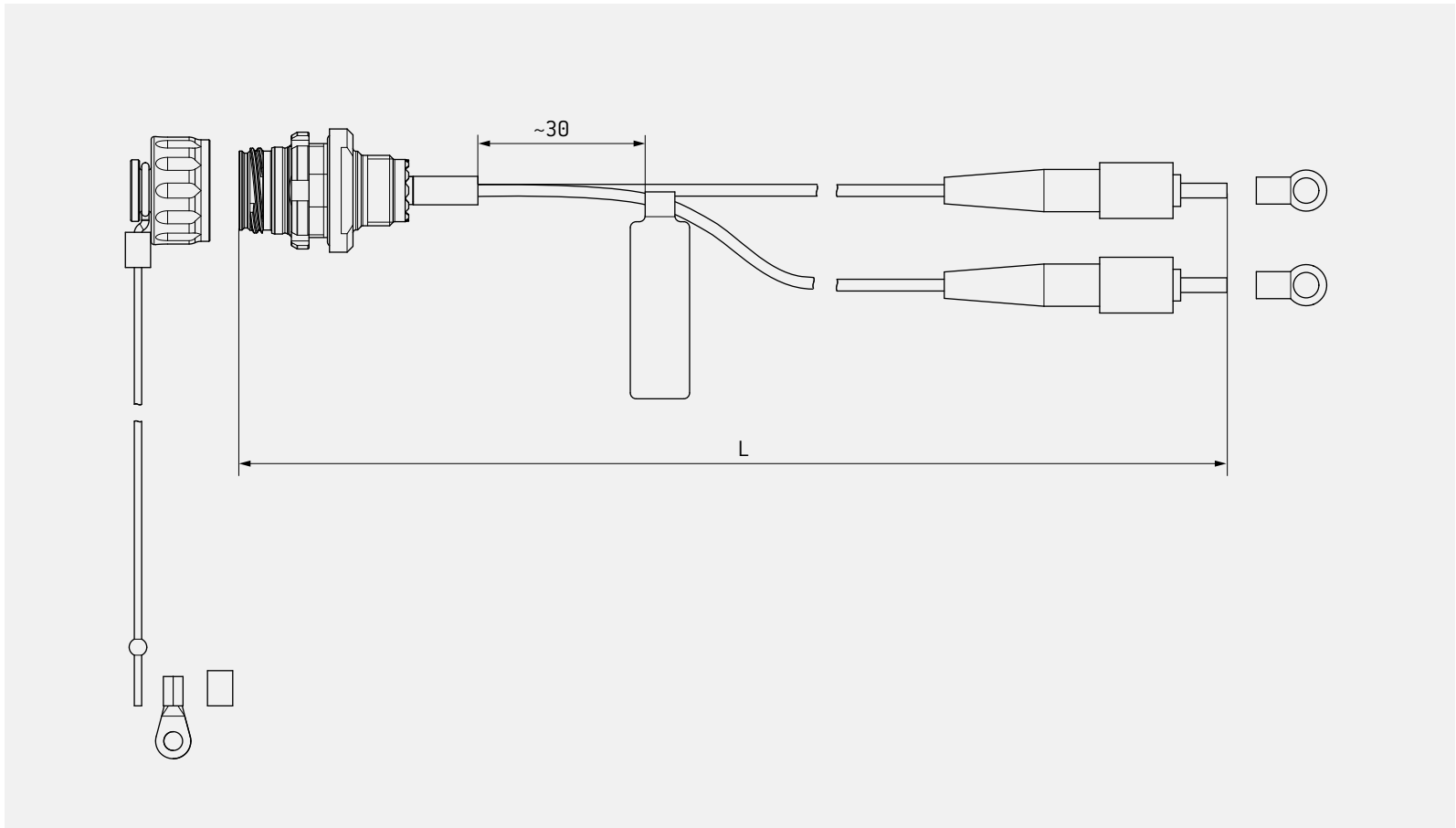


NUMBER KEY:

F B H T 0 2 7 0



# POLYMER OPTICAL FIBER (POF) HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY



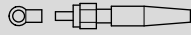

Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

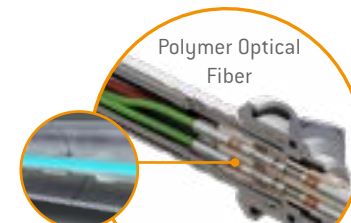
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| SY           | Multimode | ST/PC   |  |
| SZ           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

NUMBER KEY:

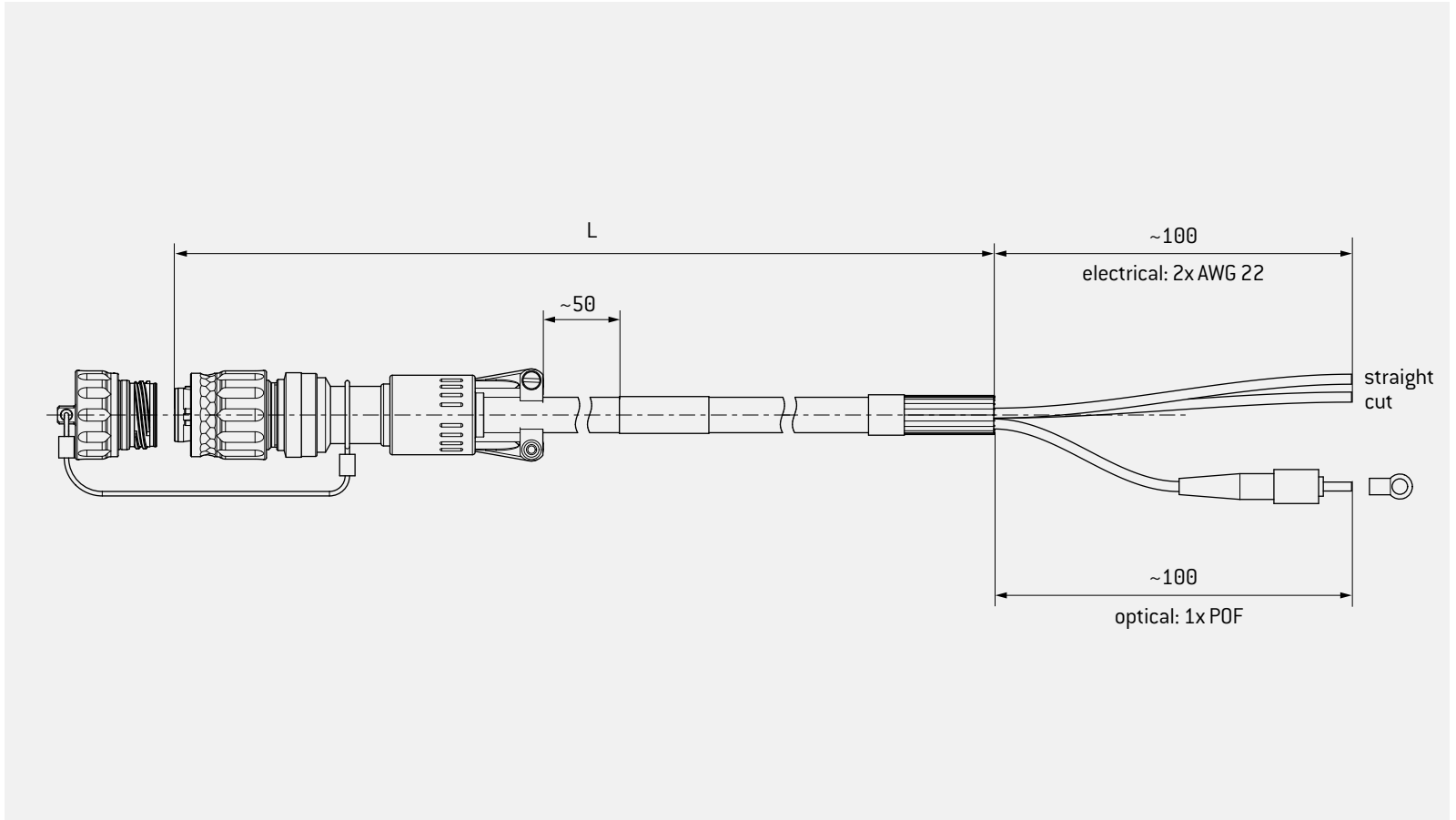
|   |   |   |   |   |  |  |   |   |   |   |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|---|--|--|--|--|--|--|--|--|
| F | G | B | H | T |  |  | 0 | 2 | 0 | 0 |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|---|--|--|--|--|--|--|--|--|





# POLYMER OPTICAL FIBER (POF)

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.

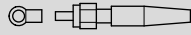

# PART NUMBER KEY

HARSH ENVIRONMENT / CONNECTOR ASSEMBLY

| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

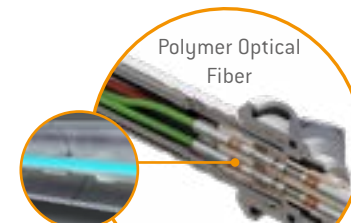
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| VY           | Multimode | ST/PC   |  |
| VZ           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |

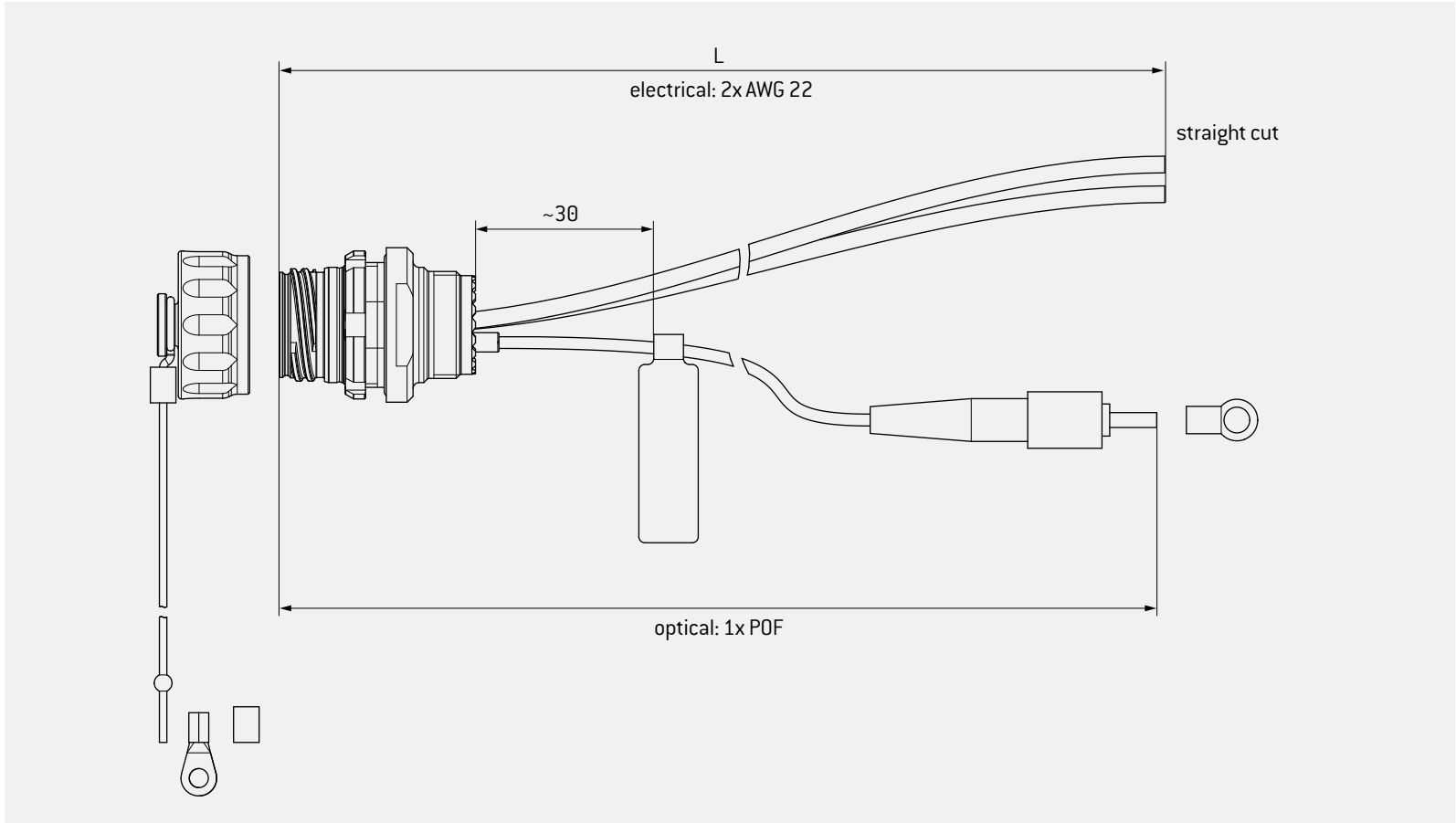


NUMBER KEY:



# POLYMER OPTICAL FIBER (POF)

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY





Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

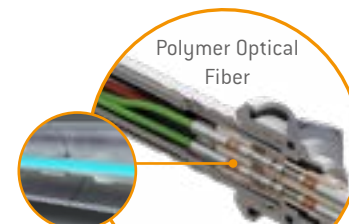
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| SW           | Multimode | ST/PC   |  |
| SX           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

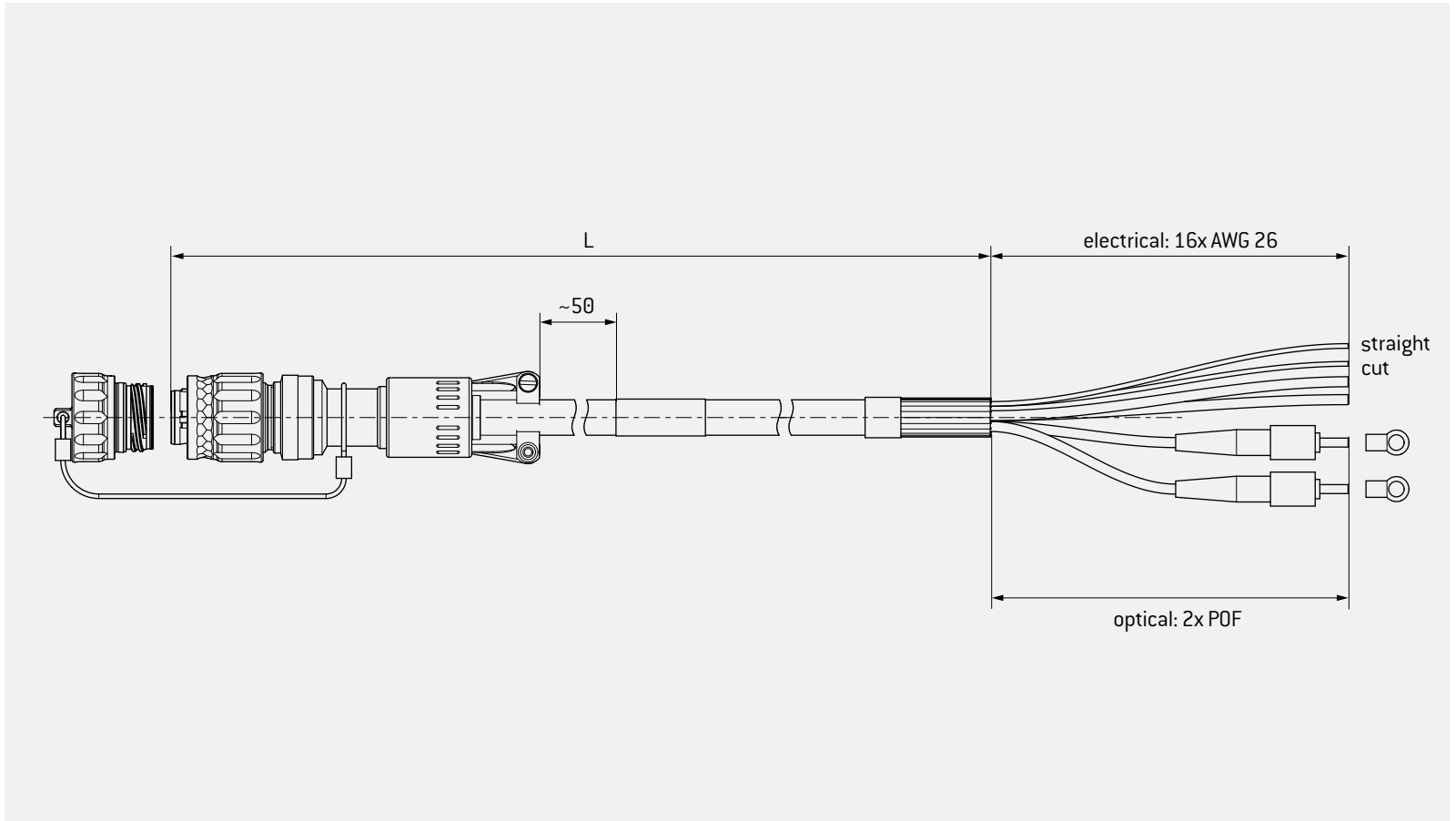
NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |   |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|---|--|--|--|--|--|--|--|--|
| F | G | B | E | T |  |  | 0 | 1 | 0 | 0 |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|---|--|--|--|--|--|--|--|--|



# POLYMER OPTICAL FIBER (POF)

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.

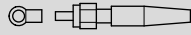

# PART NUMBER KEY

HARSH ENVIRONMENT / CONNECTOR ASSEMBLY

| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

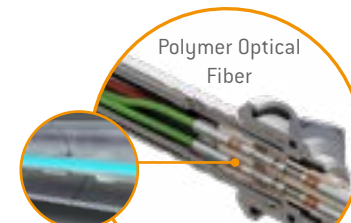
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| VU           | Multimode | ST/PC   |  |
| VV           | Multimode | FSMA/PC   |  |

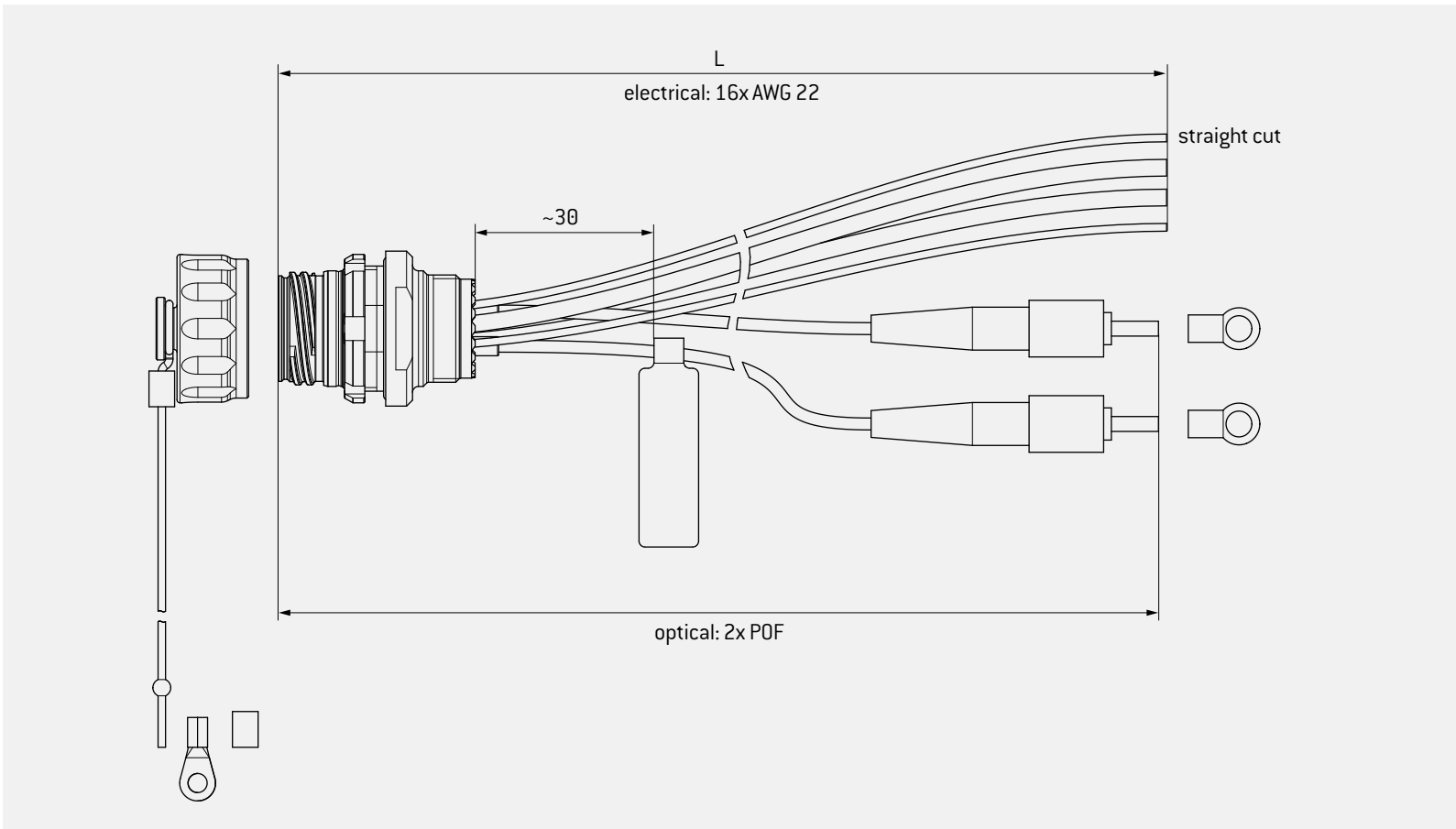
| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |



NUMBER KEY:



# POLYMER OPTICAL FIBER (POF) HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY





Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

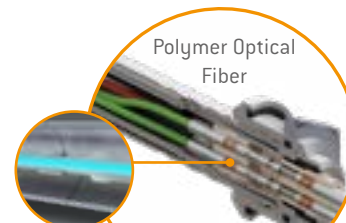
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| SS           | Multimode | ST/PC   |  |
| ST           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |



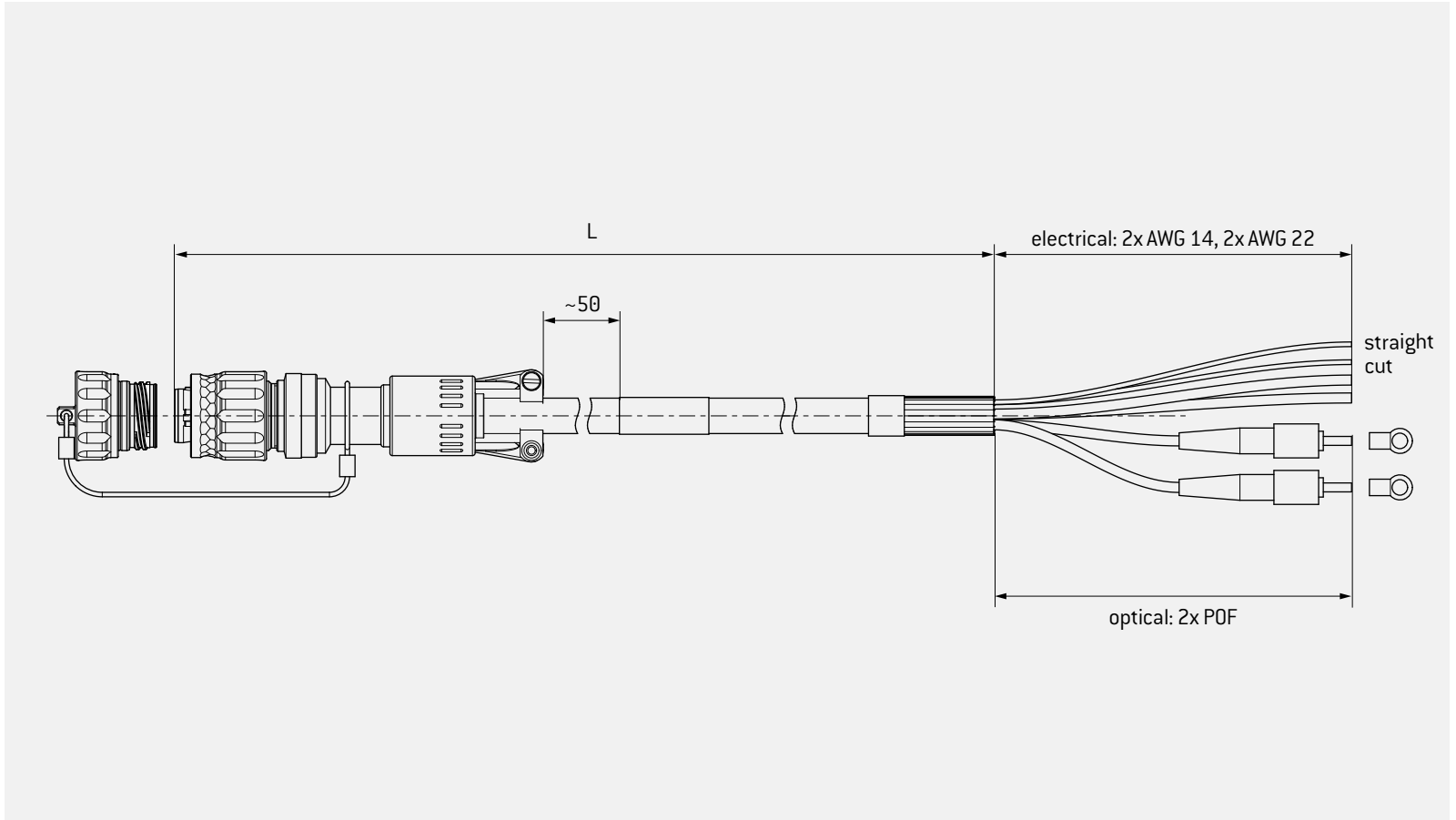
**NUMBER KEY:**





# POLYMER OPTICAL FIBER (POF)

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.

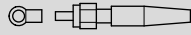

# PART NUMBER KEY

HARSH ENVIRONMENT / CONNECTOR ASSEMBLY

| Pos. 2 | Connector type |
|--------|----------------|
| C      | Threaded plug  |
| S      | Push-pull plug |

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

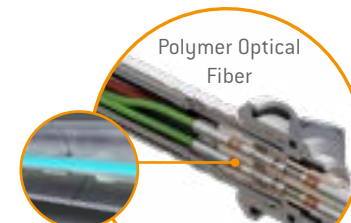
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| VW           | Multimode | ST/PC   |  |
| VX           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |



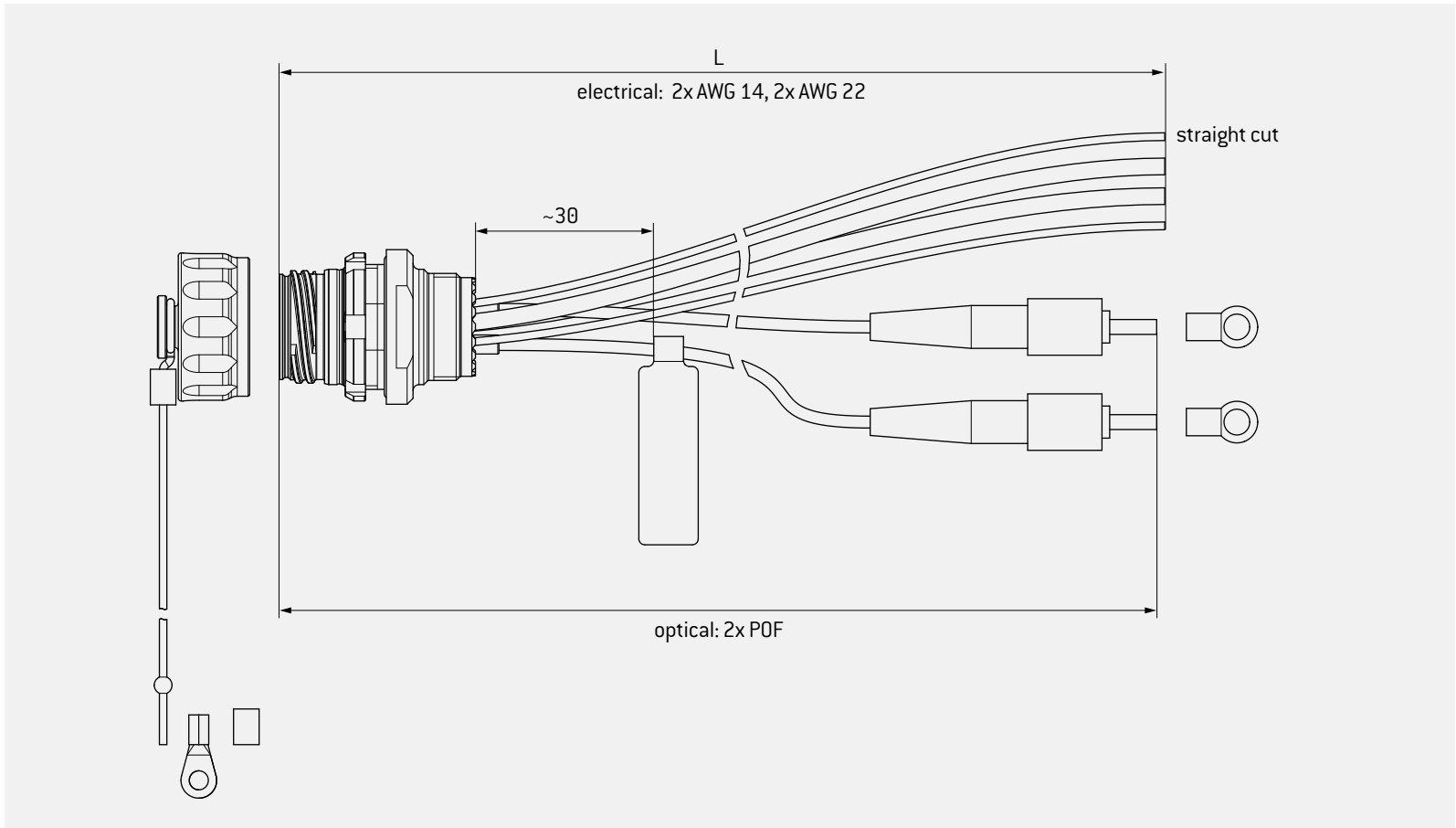
NUMBER KEY:

F B H T 0 2 7 0



# POLYMER OPTICAL FIBER (POF)

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

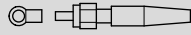



Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding         |
|--------|----------------|
| A      | Code A (brown) |
| B      | Code B (red)   |
| C      | Code C (blue)  |
| D      | Code D (green) |

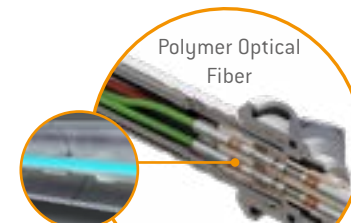
| Pos. 7 | Housing surface                            |
|--------|--|
| T      | Tin-nickel                                 |
| N      | Nickel                                     |
| U      | Nickel innersleeve, tin-nickel outer parts |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| SU           | Multimode | ST/PC   |  |
| SV           | Multimode | FSMA/PC   |  |

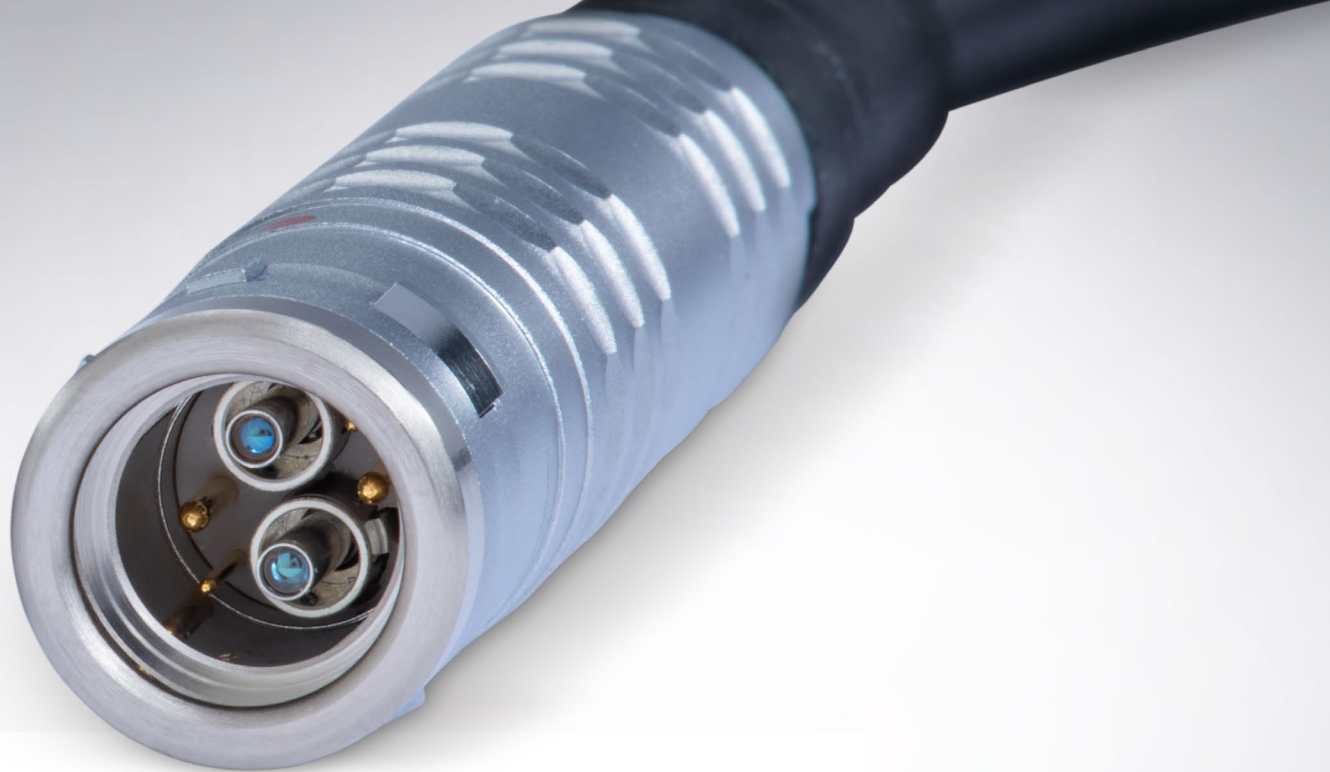
| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |



NUMBER KEY:





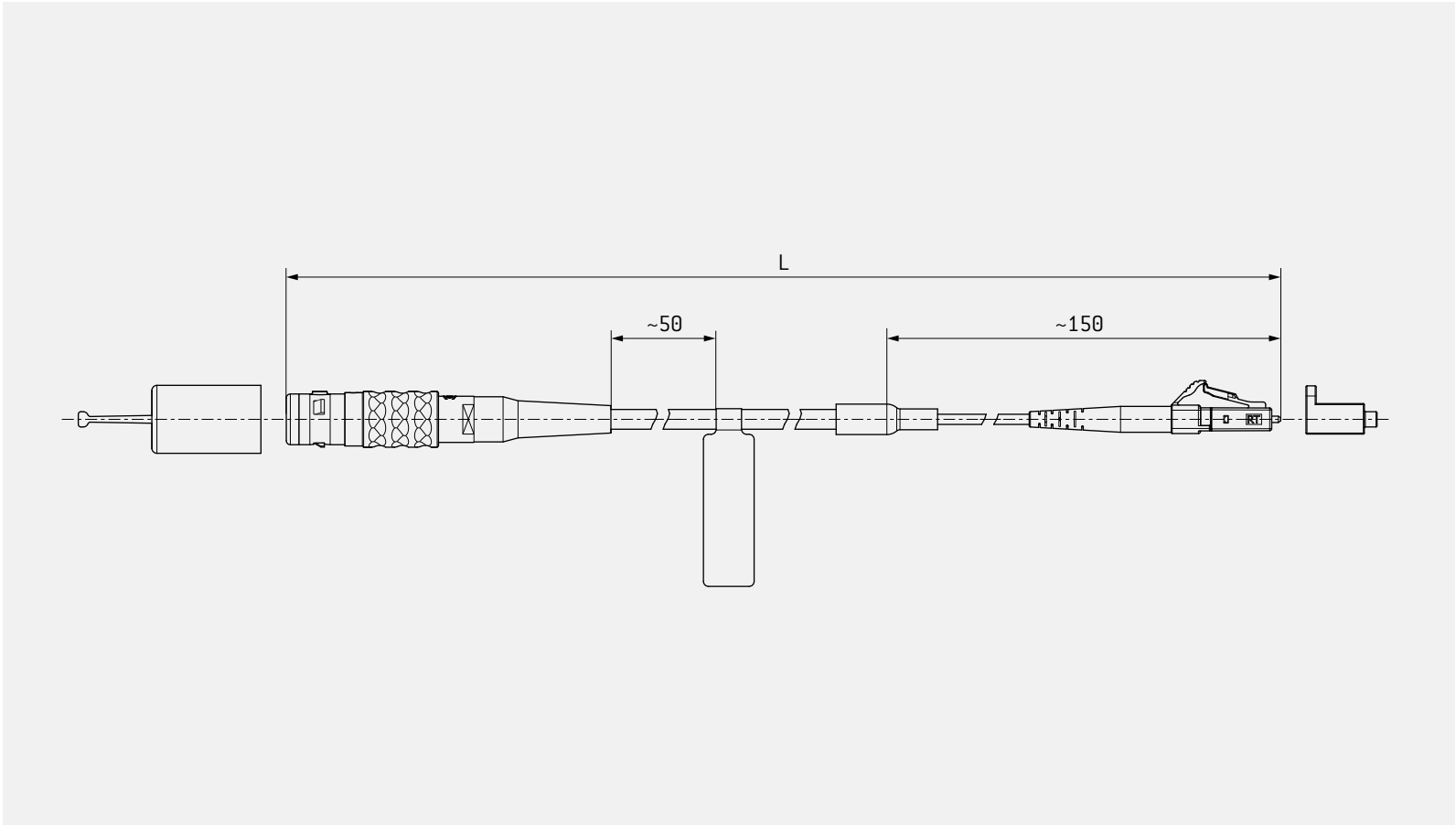


# ODU MINI-SNAP<sup>®</sup>

|                                   |            |
|-----------------------------------|------------|
| Expanded Beam .....               | <u>86</u>  |
| Physical Contact .....            | <u>102</u> |
| Polymer Optical Fiber (POF) ..... | <u>118</u> |

# EXPANDED BEAM

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.




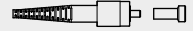

# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø [0°]   |
| A      | Code A [30°]  |
| C      | Code C [45°]  |
| F      | Code F [60°]  |
| H      | Code H [75°]  |
| K      | Code K [95°]  |
| Q      | Code Q [120°] |
| W      | Code W [145°] |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| A       | red                             |
| B       | white                           |
| C       | yellow                          |
| D       | green                           |
| E       | blue                            |
| F       | grey                            |
| G       | black                           |

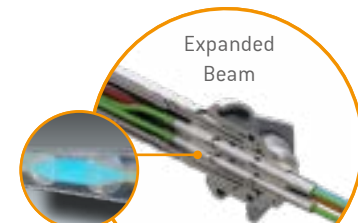
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZK           | Multimode | LC/PC   |  |
| ZJ           | Multimode | SC/PC   |  |
| ZI           | Multimode | ST/PC   |  |
| ZH           | Multimode | FC/PC   |  |
| ZG           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

NUMBER KEY:

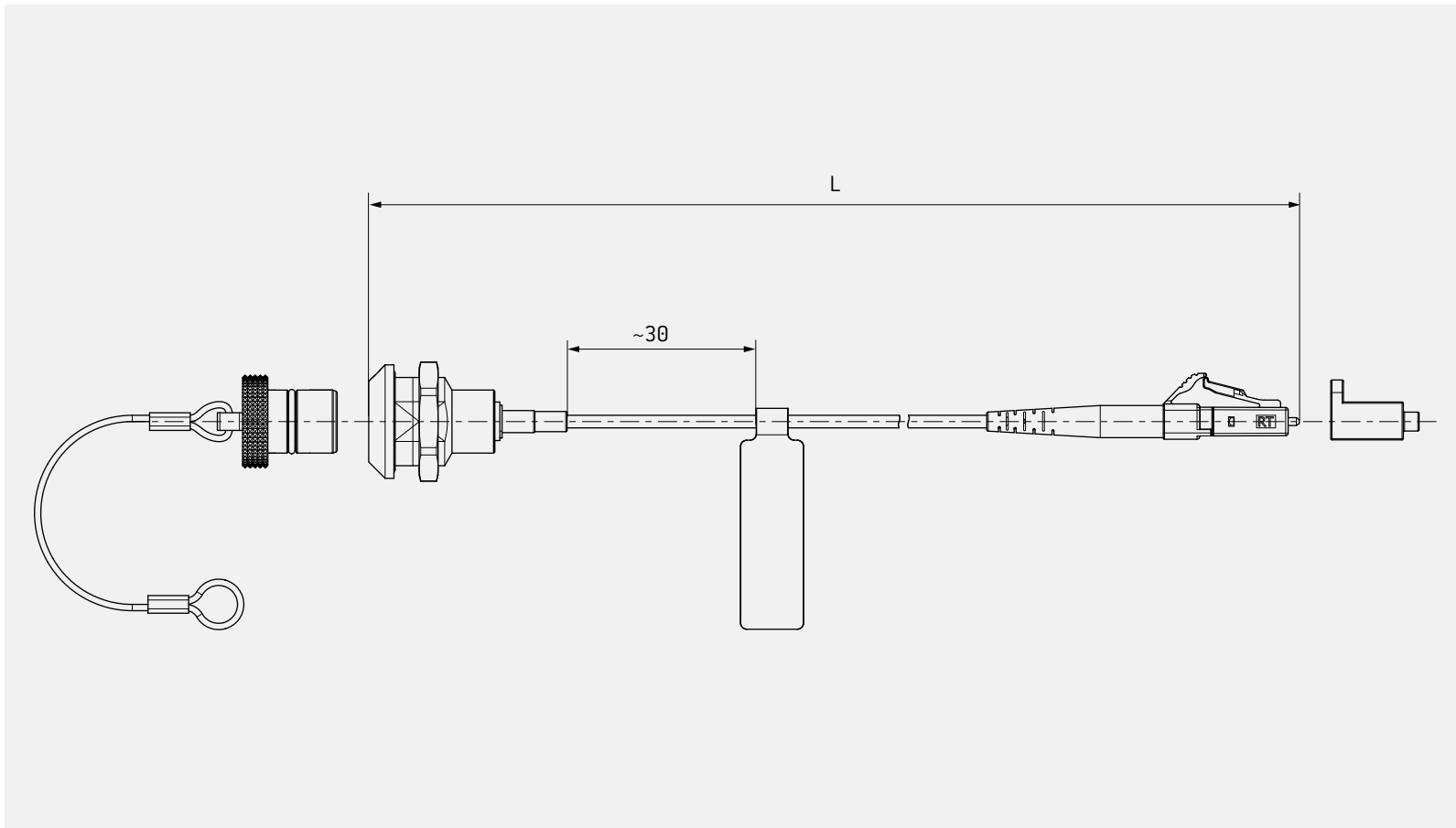
|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 2 | 0 | K |  |  | 0 | 1 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|





# EXPANDED BEAM

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY








Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

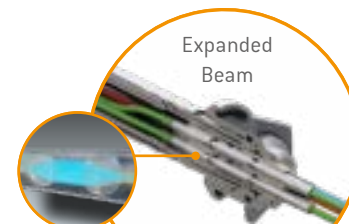
| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| X4           | Multimode | LC/PC   |  |
| X3           | Multimode | SC/PC   |  |
| X2           | Multimode | ST/PC   |  |
| X1           | Multimode | FC/PC   |  |
| X0           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

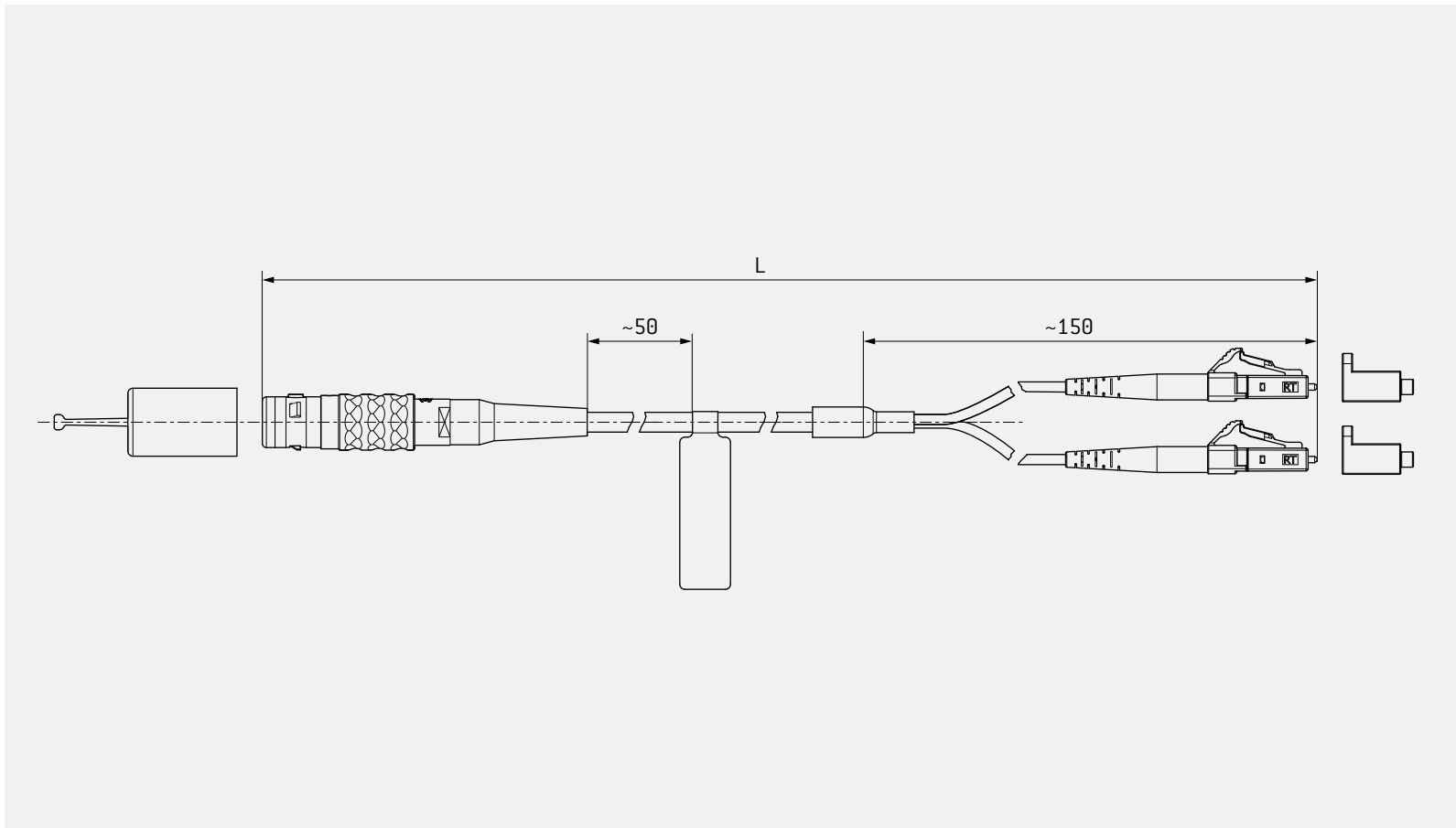
NUMBER KEY:

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| F | G | 1 | 0 | K |   |   | 0 | 1 | 0  | 0  |    |    |    |    |    |    |    |    |



# EXPANDED BEAM

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.


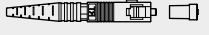
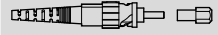
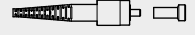

# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| A       | red                             |
| B       | white                           |
| C       | yellow                          |
| D       | green                           |
| E       | blue                            |
| F       | grey                            |
| G       | black                           |

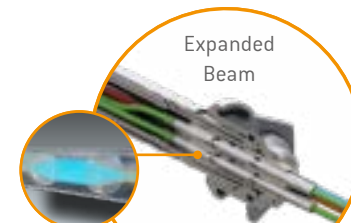
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZØ           | Multimode | LC/PC   |  |
| YZ           | Multimode | SC/PC   |  |
| YY           | Multimode | ST/PC   |  |
| YX           | Multimode | FC/PC   |  |
| YW           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

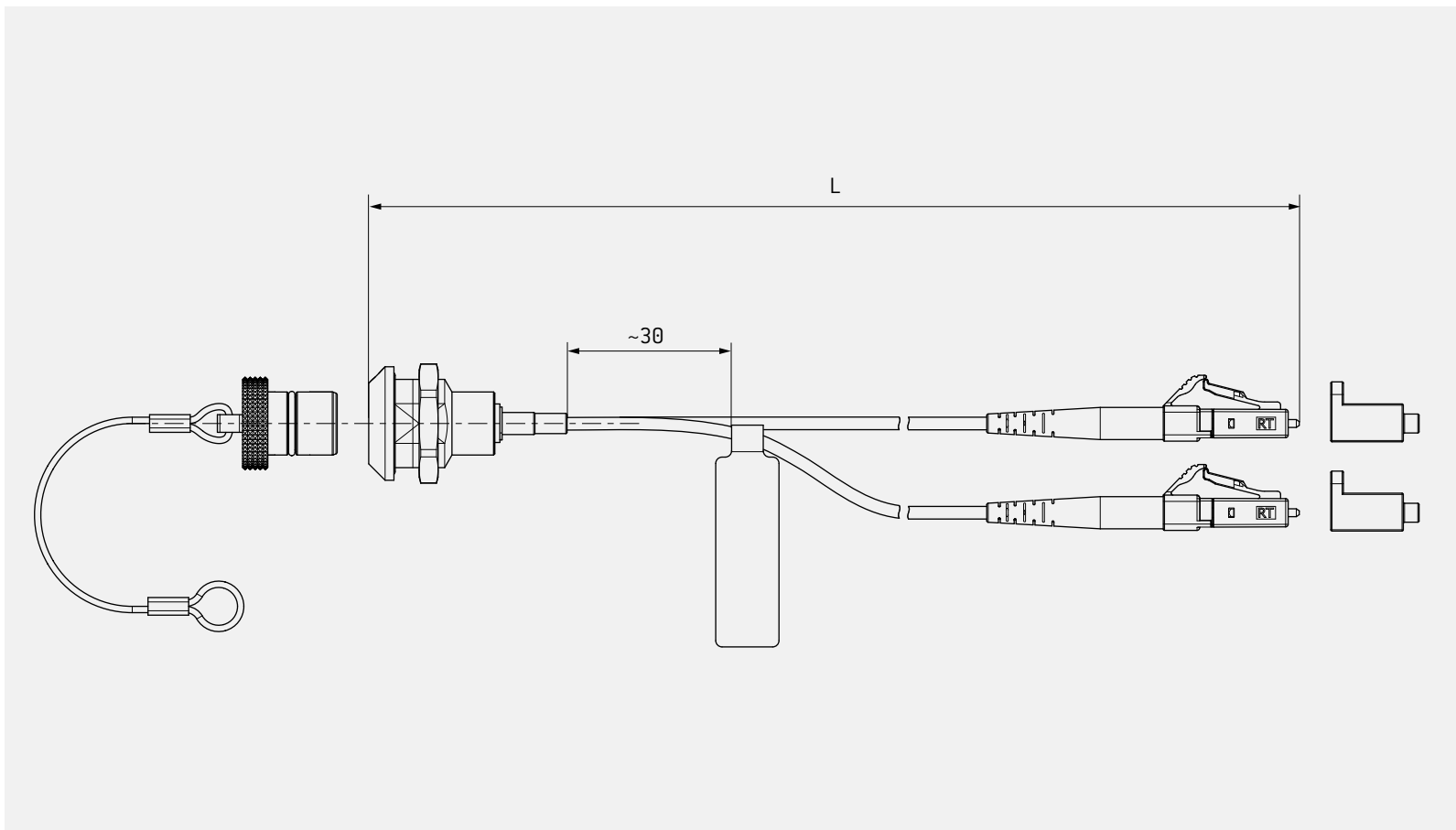
NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 2 | 3 | K |  |  | 0 | 2 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|



# EXPANDED BEAM

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY








Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

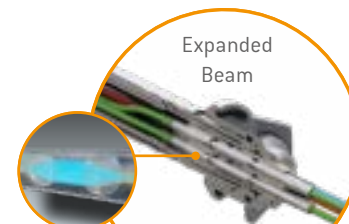
| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| WK           | Multimode | LC/PC   |  |
| WJ           | Multimode | SC/PC   |  |
| WI           | Multimode | ST/PC   |  |
| WH           | Multimode | FC/PC   |  |
| WG           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

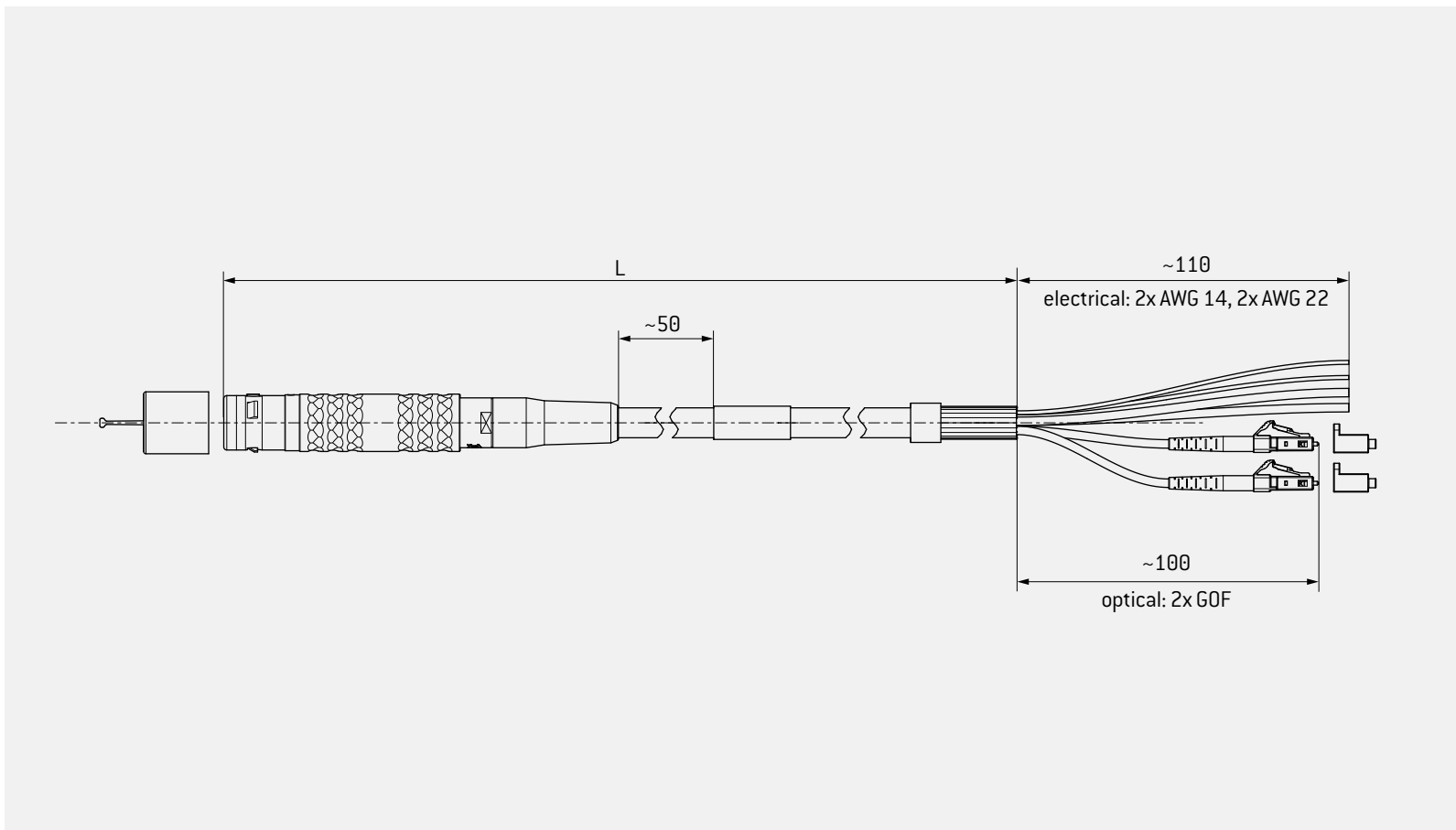
NUMBER KEY:

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| F | G | 1 | 3 | K |   |   | 0 | 2 | 0  | 0  |    |    |    |    |    |    |    |    |



# EXPANDED BEAM

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.


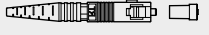
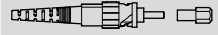
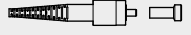

# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø [0°]   |
| A      | Code A [30°]  |
| C      | Code C [45°]  |
| F      | Code F [60°]  |
| H      | Code H [75°]  |
| K      | Code K [95°]  |
| Q      | Code Q [120°] |
| W      | Code W [145°] |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| A       | red                             |
| B       | white                           |
| C       | yellow                          |
| D       | green                           |
| E       | blue                            |
| F       | grey                            |
| G       | black                           |

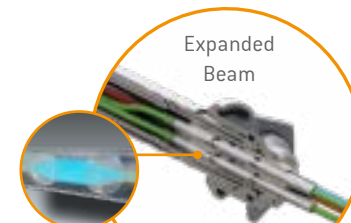
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| XW           | Multimode | LC/PC   |  |
| XV           | Multimode | SC/PC   |  |
| XU           | Multimode | ST/PC   |  |
| XT           | Multimode | FC/PC   |  |
| XS           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

NUMBER KEY:

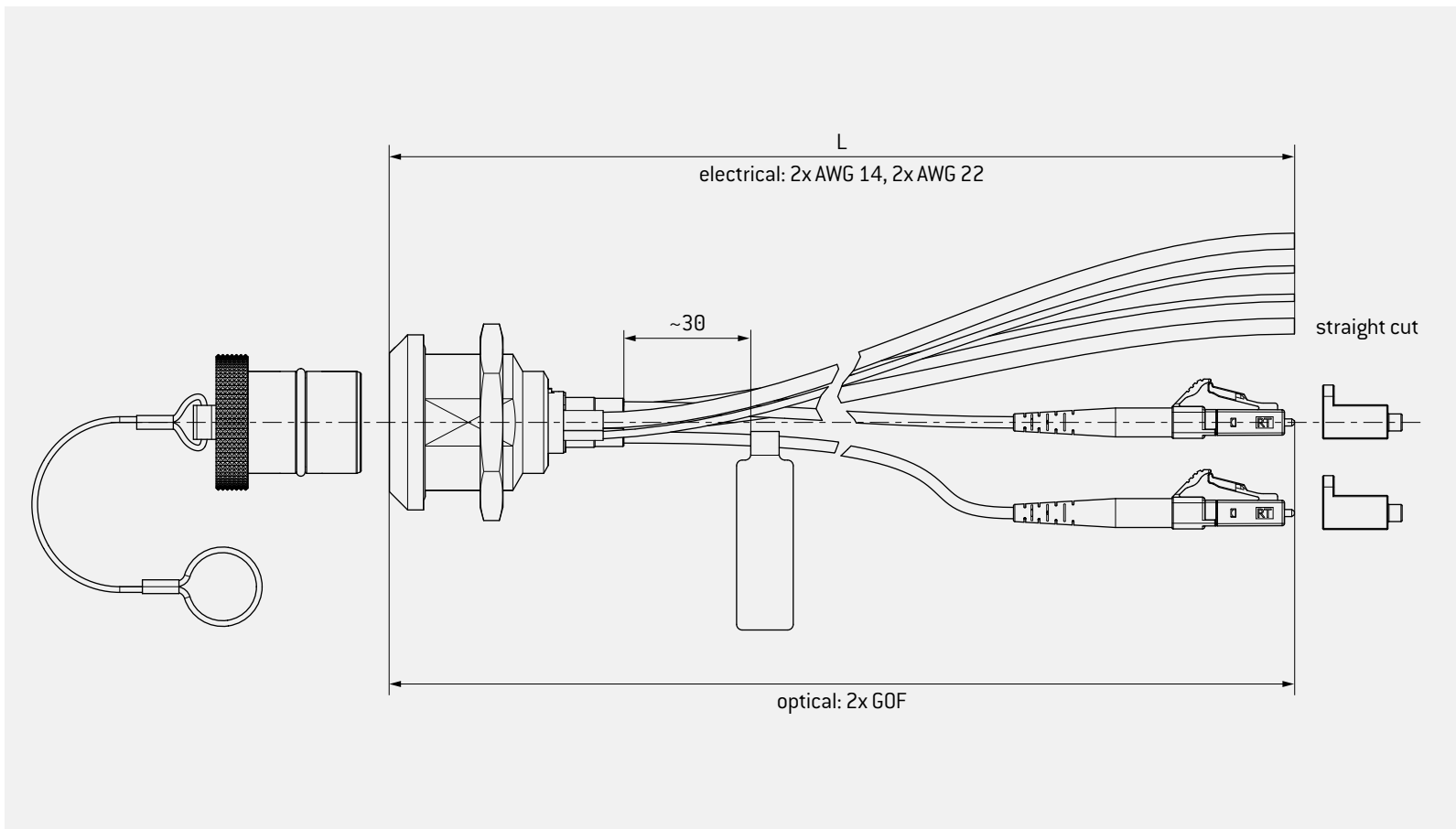
|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 2 | 3 | K |  |  | 0 | 2 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|





# EXPANDED BEAM

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY




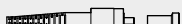



Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

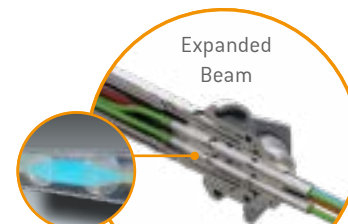
| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| VG           | Multimode | LC/PC   |  |
| VF           | Multimode | SC/PC   |  |
| VE           | Multimode | ST/PC   |  |
| VD           | Multimode | FC/PC   |  |
| VC           | Multimode | E2000/PC  |  |

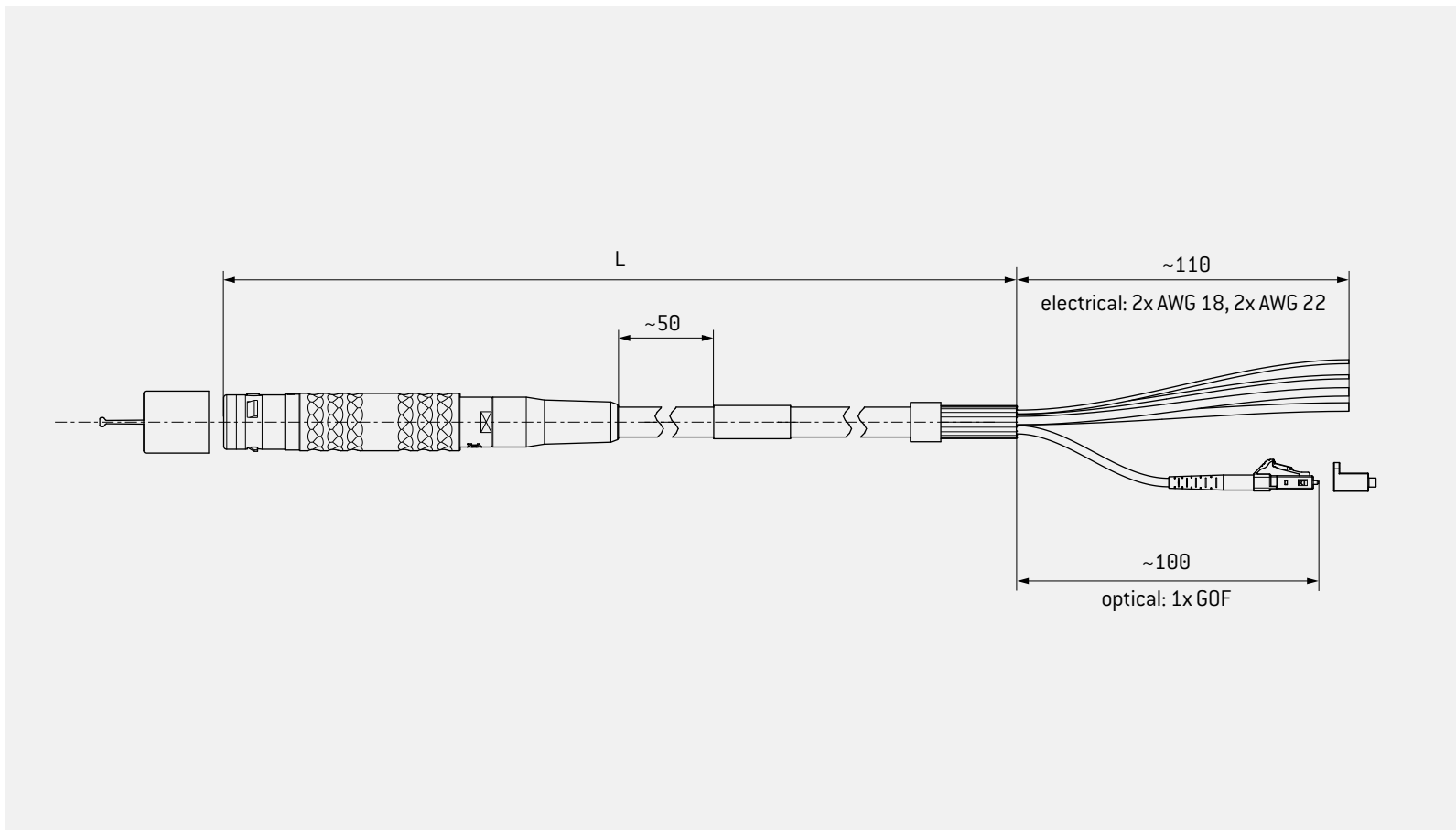
| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

NUMBER KEY:



# EXPANDED BEAM

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.




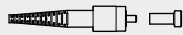

# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø [0°]   |
| A      | Code A [30°]  |
| C      | Code C [45°]  |
| F      | Code F [60°]  |
| H      | Code H [75°]  |
| K      | Code K [95°]  |
| Q      | Code Q [120°] |
| W      | Code W [145°] |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| A       | red                             |
| B       | white                           |
| C       | yellow                          |
| D       | green                           |
| E       | blue                            |
| F       | grey                            |
| G       | black                           |

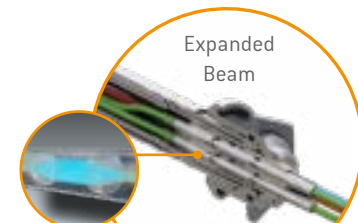
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| YG           | Multimode | LC/PC   |  |
| YF           | Multimode | SC/PC   |  |
| YE           | Multimode | ST/PC   |  |
| YD           | Multimode | FC/PC   |  |
| YC           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

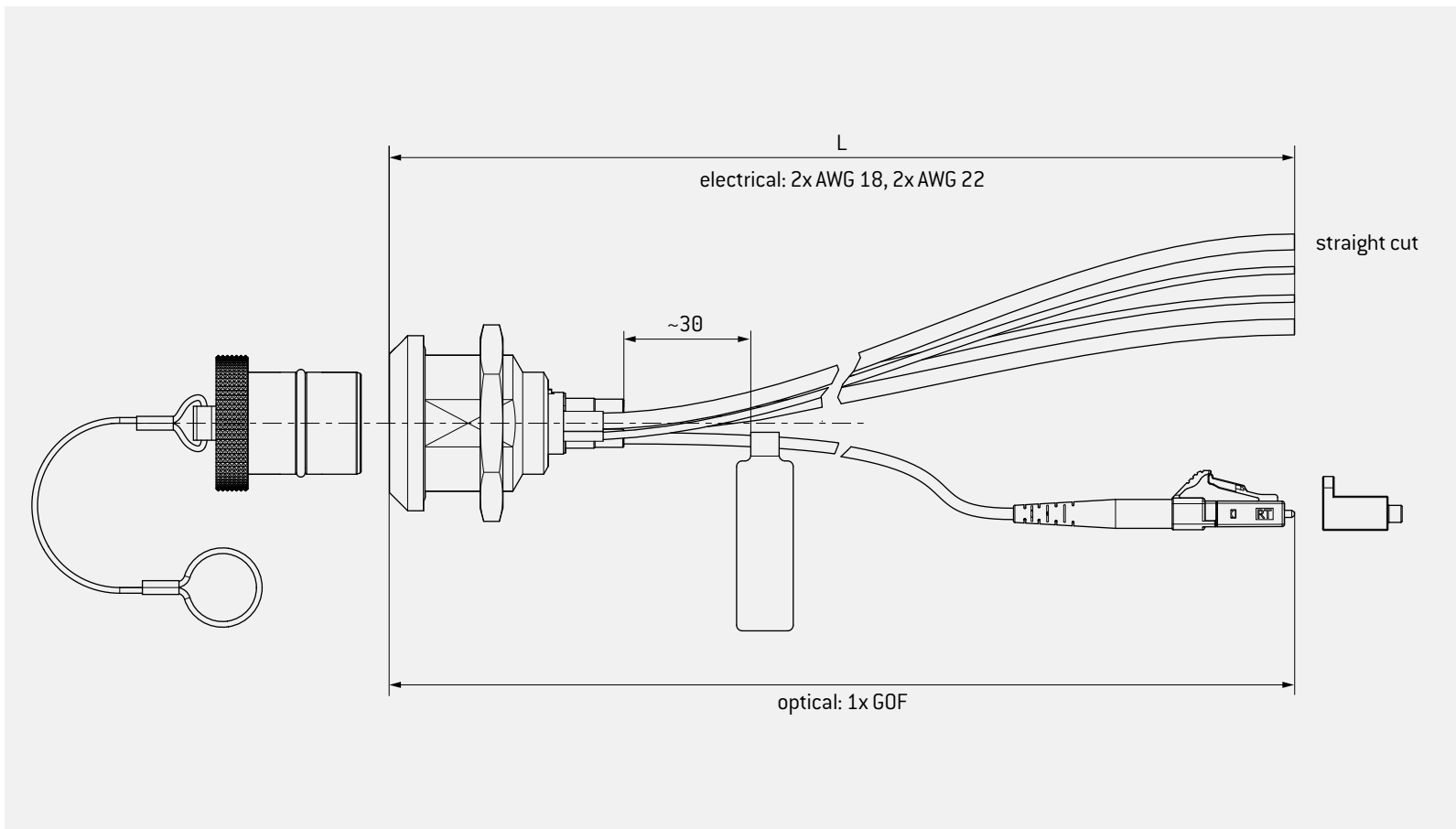
NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 2 | 2 | K |  |  | 0 | 1 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|



# EXPANDED BEAM

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY



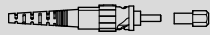
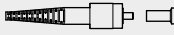



Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

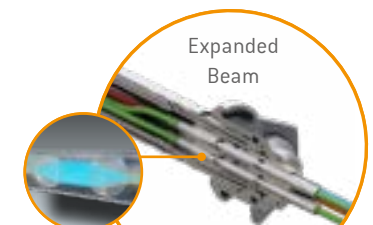
| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| WØ           | Multimode | LC/PC   |  |
| VZ           | Multimode | SC/PC   |  |
| VY           | Multimode | ST/PC   |  |
| VX           | Multimode | FC/PC   |  |
| VW           | Multimode | E2000/PC  |  |

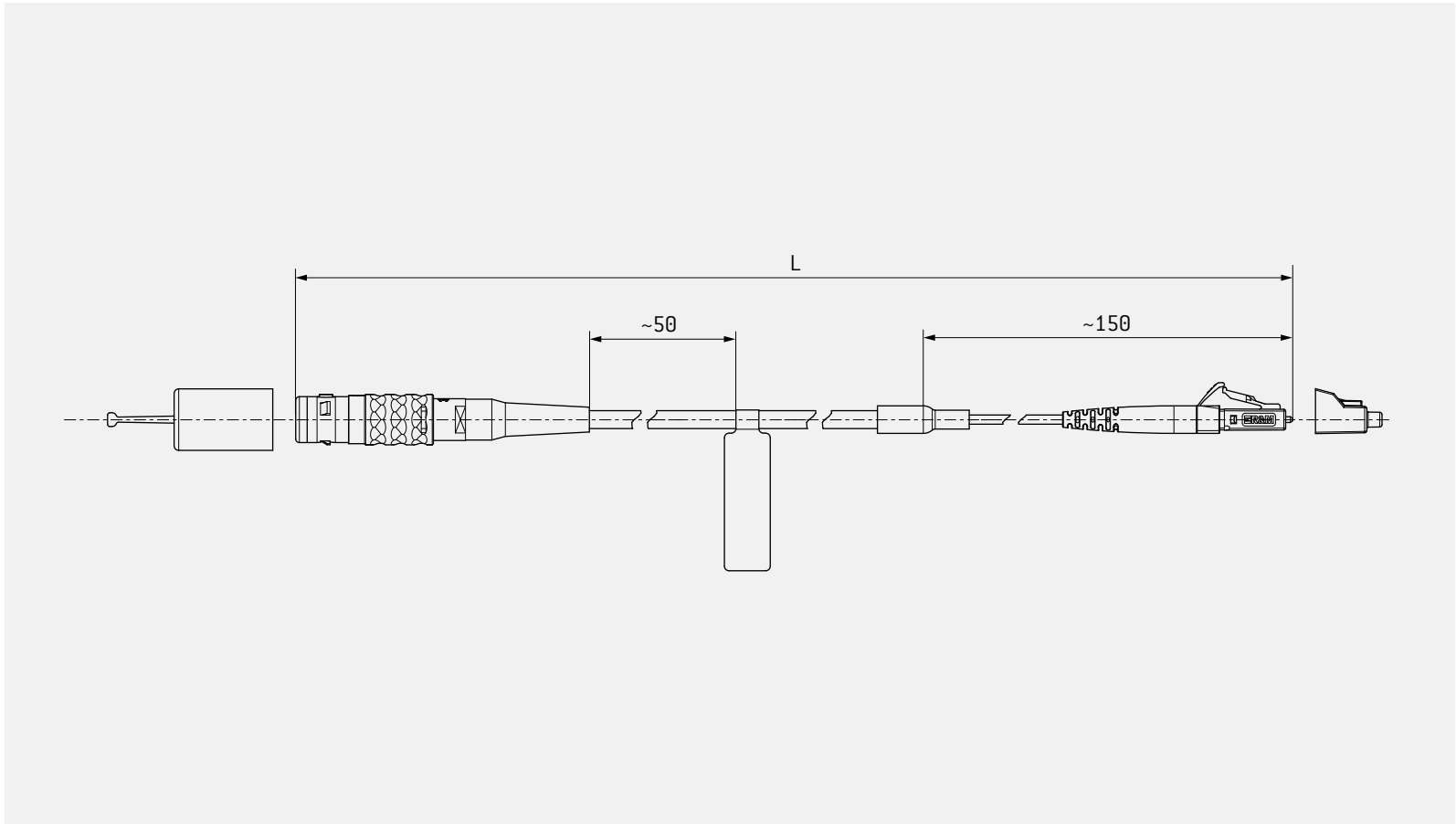
| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

**NUMBER KEY:**



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.




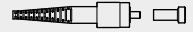


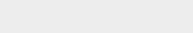
# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| 0      | Code 0 [0°]   |
| A      | Code A [30°]  |
| C      | Code C [45°]  |
| F      | Code F [60°]  |
| H      | Code H [75°]  |
| K      | Code K [95°]  |
| Q      | Code Q [120°] |
| W      | Code W [145°] |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| A       | red                             |
| B       | white                           |
| C       | yellow                          |
| D       | green                           |
| E       | blue                            |
| F       | grey                            |
| G       | black                           |

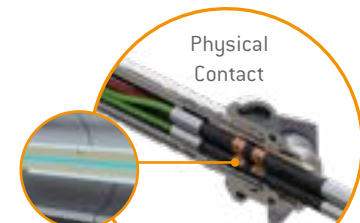
| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZZ           | Multimode  | LC/PC   |  |
| ZY           | Singlemode | LC/PC   |   |
| ZX           | Singlemode | LC/APC  |  |
| ZW           | Multimode  | SC/PC   |   |
| ZV           | Singlemode | SC/PC   |  |
| ZU           | Singlemode | SC/APC  |   |
| ZT           | Multimode  | ST/PC   |  |
| ZS           | Singlemode | ST/PC   |   |
| ZR           | Singlemode | ST/APC  |  |
| ZQ           | Multimode  | FC/PC   |   |
| ZP           | Singlemode | FC/PC   |  |
| ZO           | Singlemode | FC/APC  |   |
| ZN           | Multimode  | E2000/PC  |  |
| ZM           | Singlemode | E2000/PC  |   |
| ZL           | Singlemode | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

NUMBER KEY:

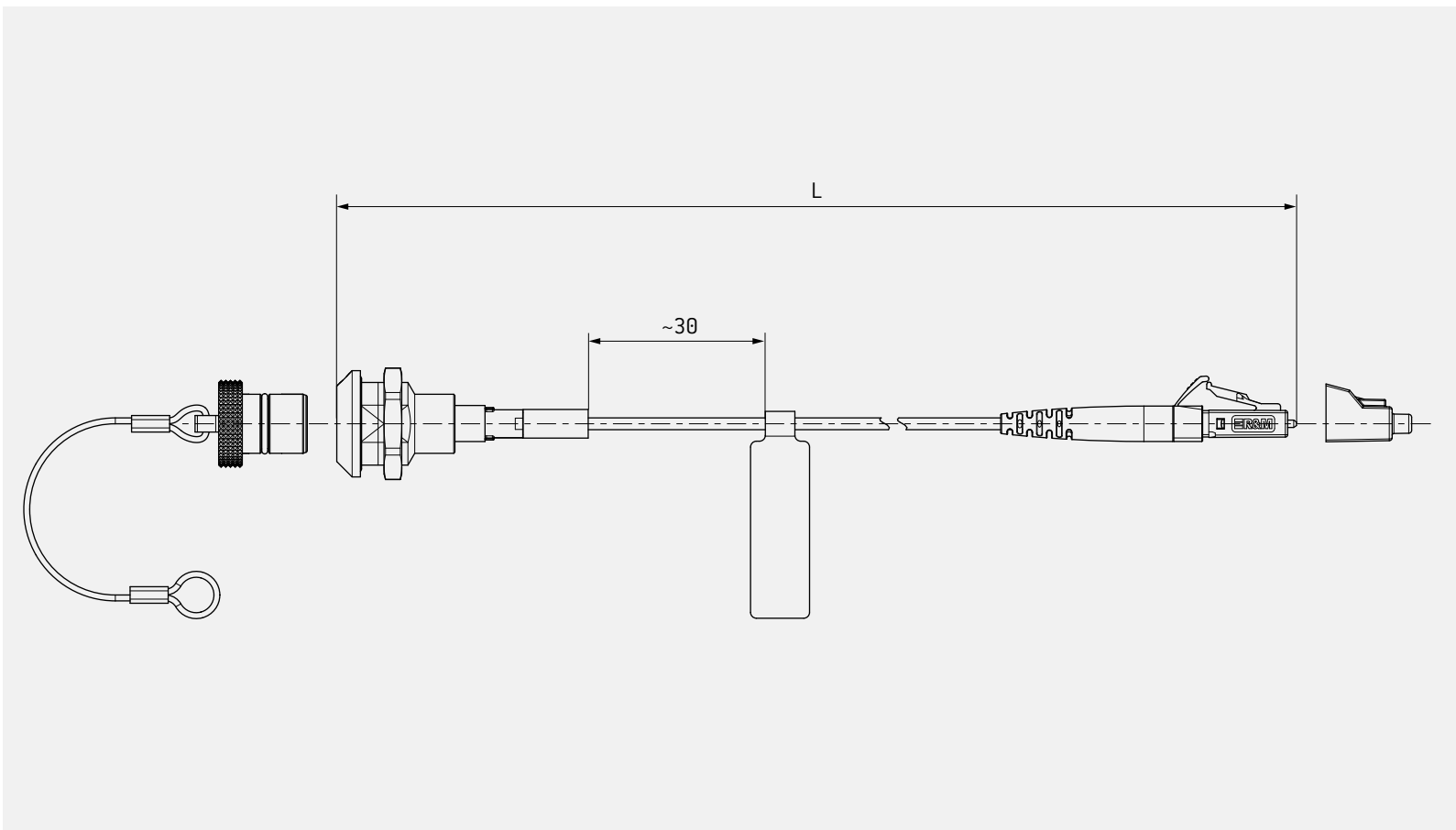
|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 2 | 0 | K |  |  | 0 | 1 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|





# PHYSICAL CONTACT

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY









Please see the respective connector catalogue for a detailed connector specification.

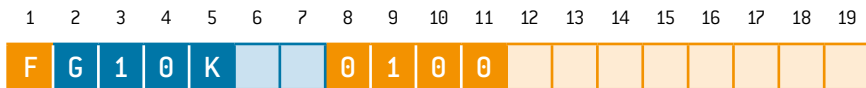
# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

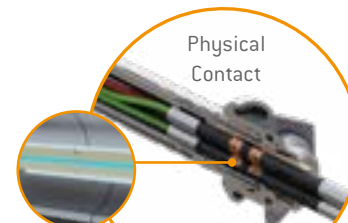
| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 12 - 13 | Count number |   |   |
|--------------|--------------|---|---|
|              | Mode         | Type and polish of Fiber Optic interface connector (2nd side) |   |
| XJ           | Multimode    | LC/PC   |  |
| XI           | Singlemode   | LC/PC   |   |
| XH           | Singlemode   | LC/APC  |  |
| XG           | Multimode    | SC/PC   |   |
| XF           | Singlemode   | SC/PC   |  |
| XE           | Singlemode   | SC/APC  |   |
| XD           | Multimode    | ST/PC   |  |
| XC           | Singlemode   | ST/PC   |   |
| XB           | Singlemode   | ST/APC  |  |
| XA           | Multimode    | FC/PC   |   |
| X9           | Singlemode   | FC/PC   |  |
| X8           | Singlemode   | FC/APC  |   |
| X7           | Multimode    | E2000/PC  |   |
| X6           | Singlemode   | E2000/PC  |   |
| X5           | Singlemode   | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

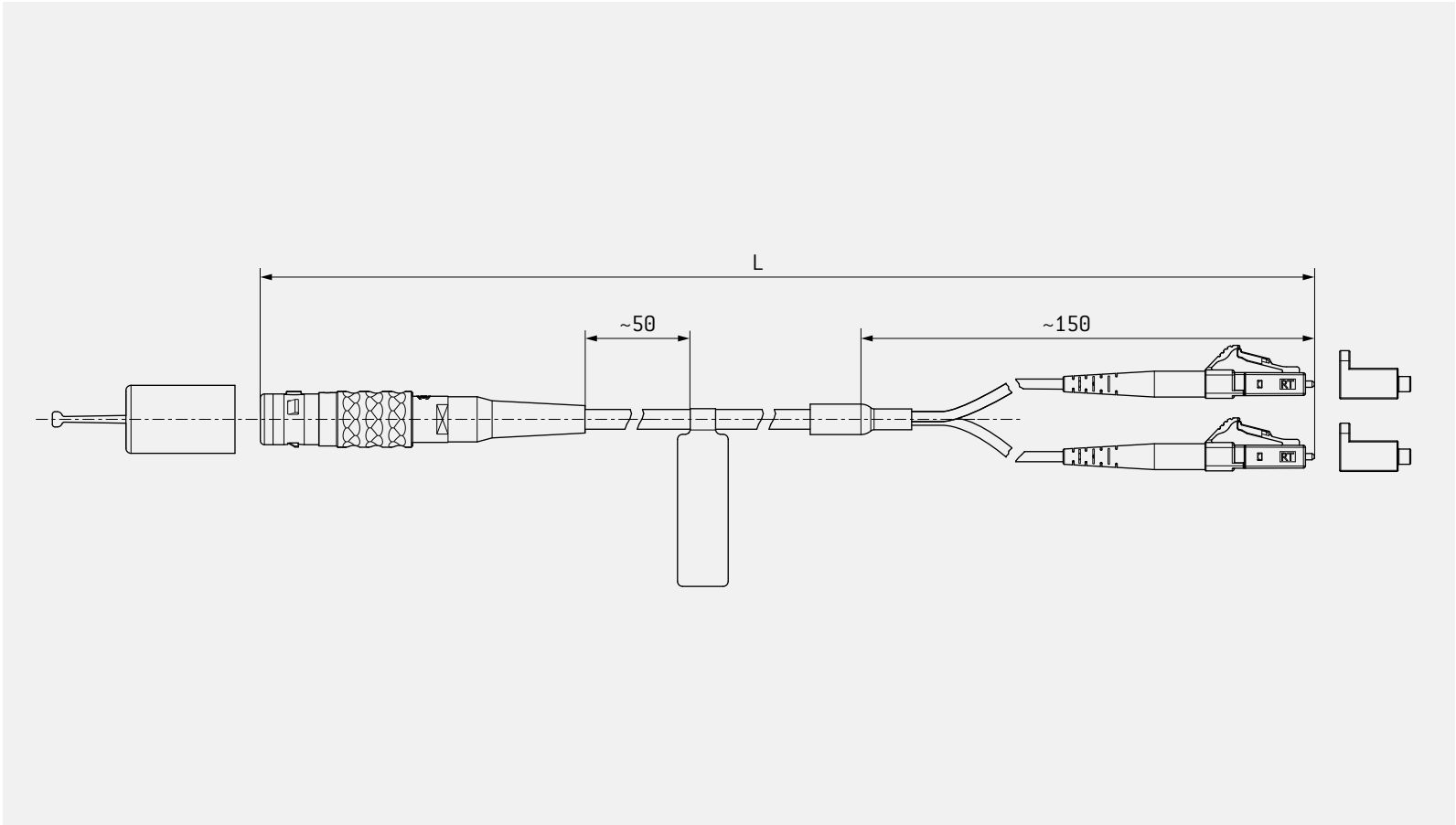


NUMBER KEY:



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.




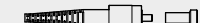
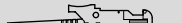

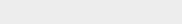
# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| A       | red                             |
| B       | white                           |
| C       | yellow                          |
| D       | green                           |
| E       | blue                            |
| F       | grey                            |
| G       | black                           |

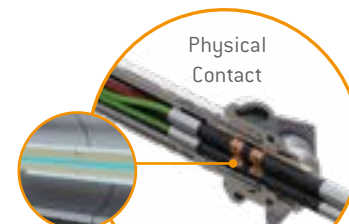
| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZF           | Multimode  | LC/PC   |  |
| ZE           | Singlemode | LC/PC   |   |
| ZD           | Singlemode | LC/APC  |  |
| ZC           | Multimode  | SC/PC   |   |
| ZB           | Singlemode | SC/PC   |  |
| ZA           | Singlemode | SC/APC  |   |
| Z9           | Multimode  | ST/PC   |  |
| Z8           | Singlemode | ST/PC   |   |
| Z7           | Singlemode | ST/APC  |  |
| Z6           | Multimode  | FC/PC   |   |
| Z5           | Singlemode | FC/PC   |  |
| Z4           | Singlemode | FC/APC  |   |
| Z3           | Multimode  | E2000/PC  |  |
| Z2           | Singlemode | E2000/PC  |   |
| Z1           | Singlemode | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

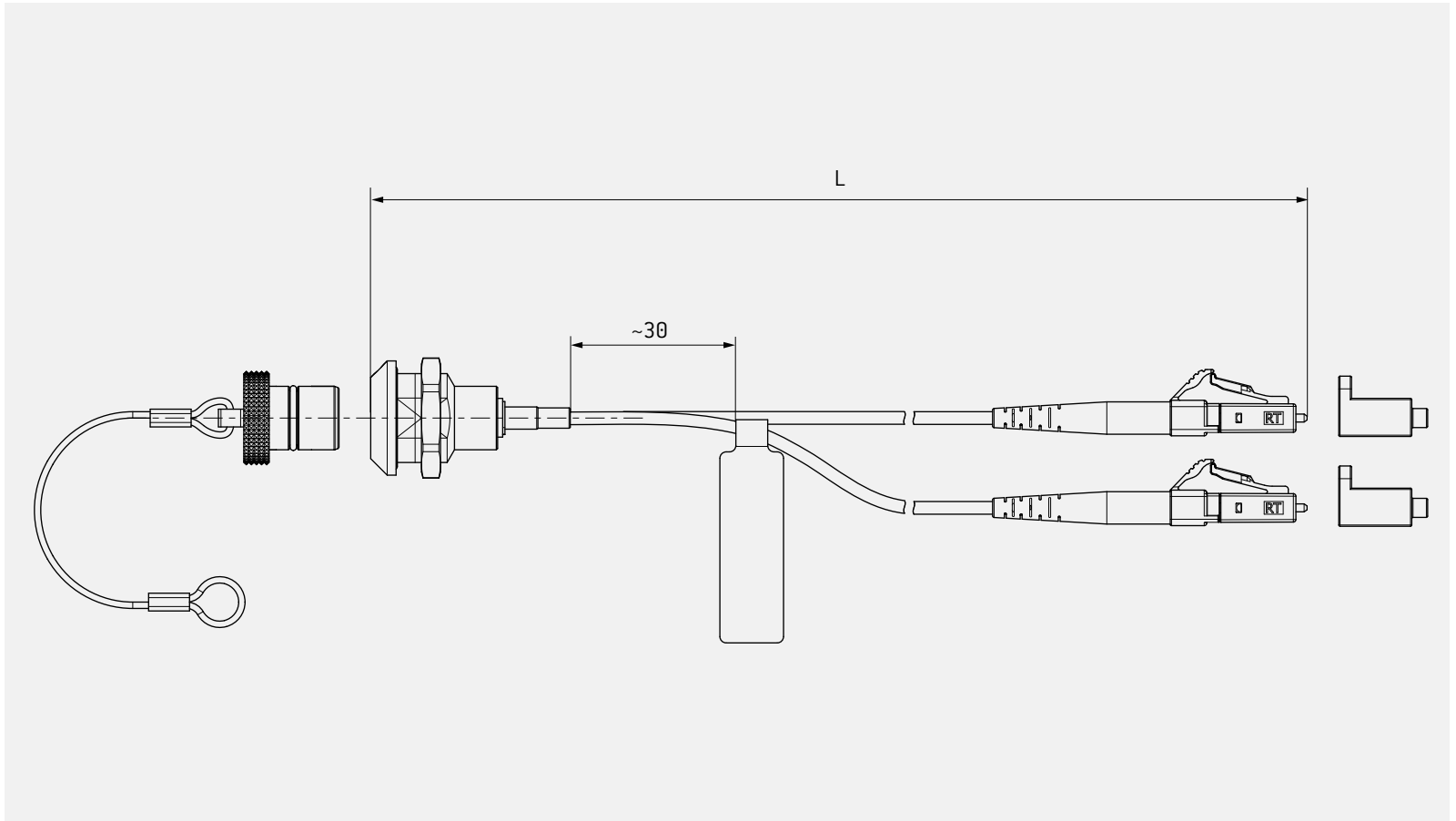
NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 2 | 3 | K |  |  | 0 | 2 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY








Please see the respective connector catalogue for a detailed connector specification.

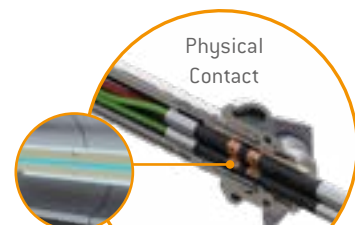
# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

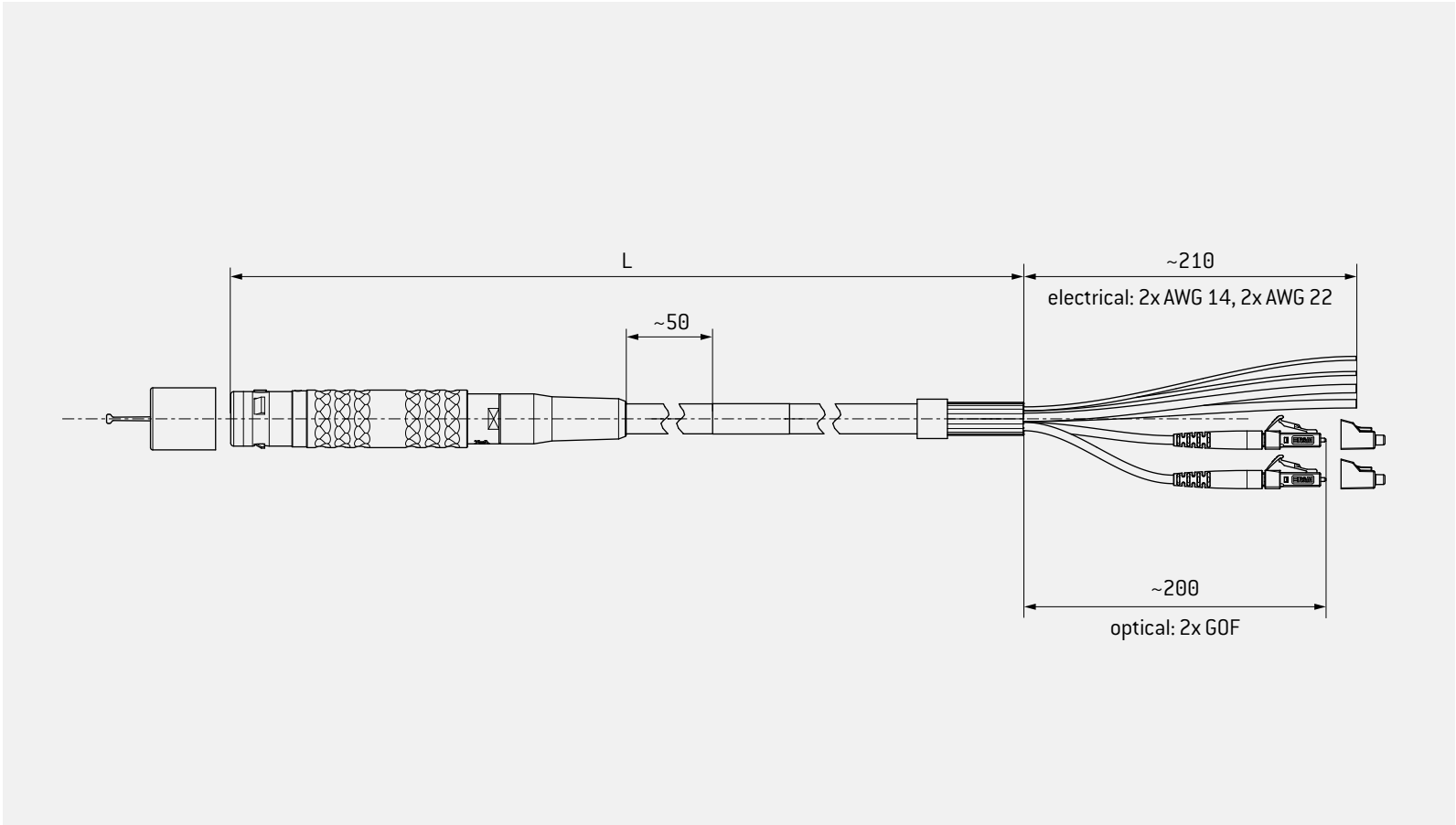
| Pos. 12 - 13 | Count number |   |   |
|--------------|--------------|---|---|
|              | Mode         | Type and polish of Fiber Optic interface connector (2nd side) |   |
| WZ           | Multimode    | LC/PC   |  |
| WY           | Singlemode   | LC/PC   |   |
| WX           | Singlemode   | LC/APC  |   |
| WW           | Multimode    | SC/PC   |  |
| WV           | Singlemode   | SC/PC   |   |
| WU           | Singlemode   | SC/APC  |   |
| WT           | Multimode    | ST/PC   |  |
| WS           | Singlemode   | ST/PC   |   |
| WR           | Singlemode   | ST/APC  |   |
| WQ           | Multimode    | FC/PC   |  |
| WP           | Singlemode   | FC/PC   |   |
| WO           | Singlemode   | FC/APC  |   |
| WN           | Multimode    | E2000/PC  |  |
| WM           | Singlemode   | E2000/PC  |   |
| WL           | Singlemode   | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.





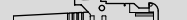

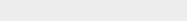
# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| A       | red                             |
| B       | white                           |
| C       | yellow                          |
| D       | green                           |
| E       | blue                            |
| F       | grey                            |
| G       | black                           |

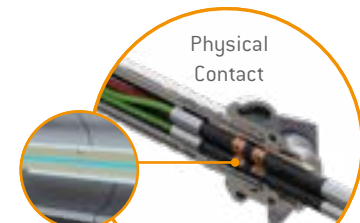
| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| YB           | Multimode  | LC/PC   |  |
| YA           | Singlemode | LC/PC   |   |
| Y9           | Singlemode | LC/APC  |  |
| Y8           | Multimode  | SC/PC   |   |
| Y7           | Singlemode | SC/PC   |  |
| Y6           | Singlemode | SC/APC  |   |
| Y5           | Multimode  | ST/PC   |  |
| Y4           | Singlemode | ST/PC   |   |
| Y3           | Singlemode | ST/APC  |  |
| Y2           | Multimode  | FC/PC   |   |
| Y1           | Singlemode | FC/PC   |  |
| Y0           | Singlemode | FC/APC  |   |
| XZ           | Multimode  | E2000/PC  |  |
| XY           | Singlemode | E2000/PC  |   |
| XX           | Singlemode | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

NUMBER KEY:

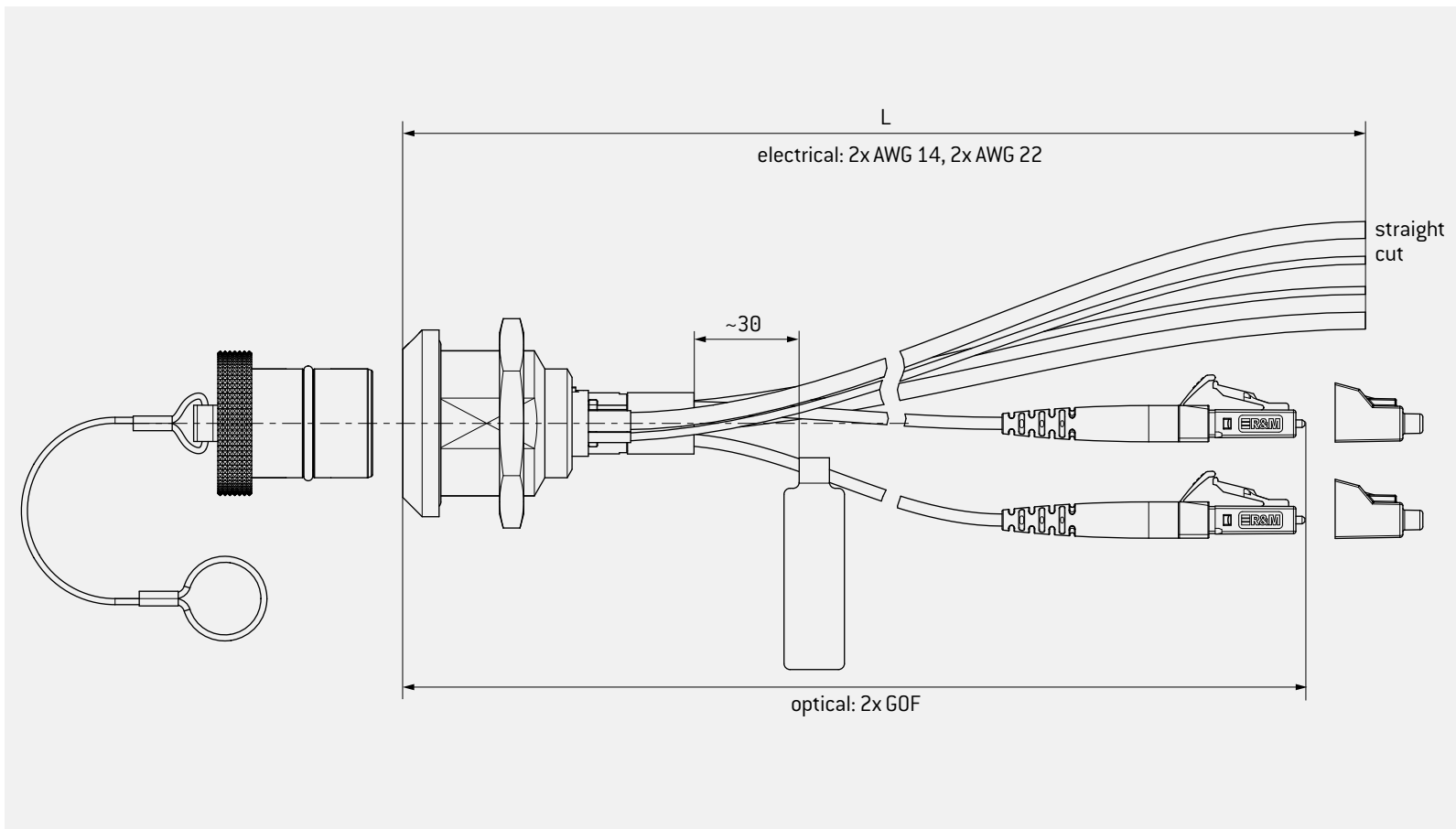
|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 2 | 3 | K |  |  | 0 | 2 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|





# PHYSICAL CONTACT

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY









Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

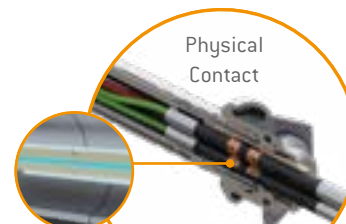
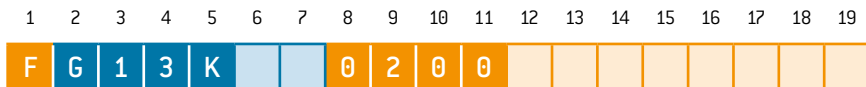
| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 12 - 13 | Count number |   |   |
|--------------|--------------|---|---|
|              | Mode         | Type and polish of Fiber Optic interface connector (2nd side) |   |
| VV           | Multimode    | LC/PC   |  |
| VU           | Singlemode   | LC/PC   |   |
| VT           | Singlemode   | LC/APC  |  |
| VS           | Multimode    | SC/PC   |   |
| VR           | Singlemode   | SC/PC   |  |
| VQ           | Singlemode   | SC/APC  |   |
| VP           | Multimode    | ST/PC   |  |
| VO           | Singlemode   | ST/PC   |   |
| VN           | Singlemode   | ST/APC  |  |
| VM           | Multimode    | FC/PC   |   |
| VL           | Singlemode   | FC/PC   |  |
| VK           | Singlemode   | FC/APC  |   |
| VJ           | Multimode    | E2000/PC  |   |
| VI           | Singlemode   | E2000/PC  |   |
| VH           | Singlemode   | E2000/APC   |   |

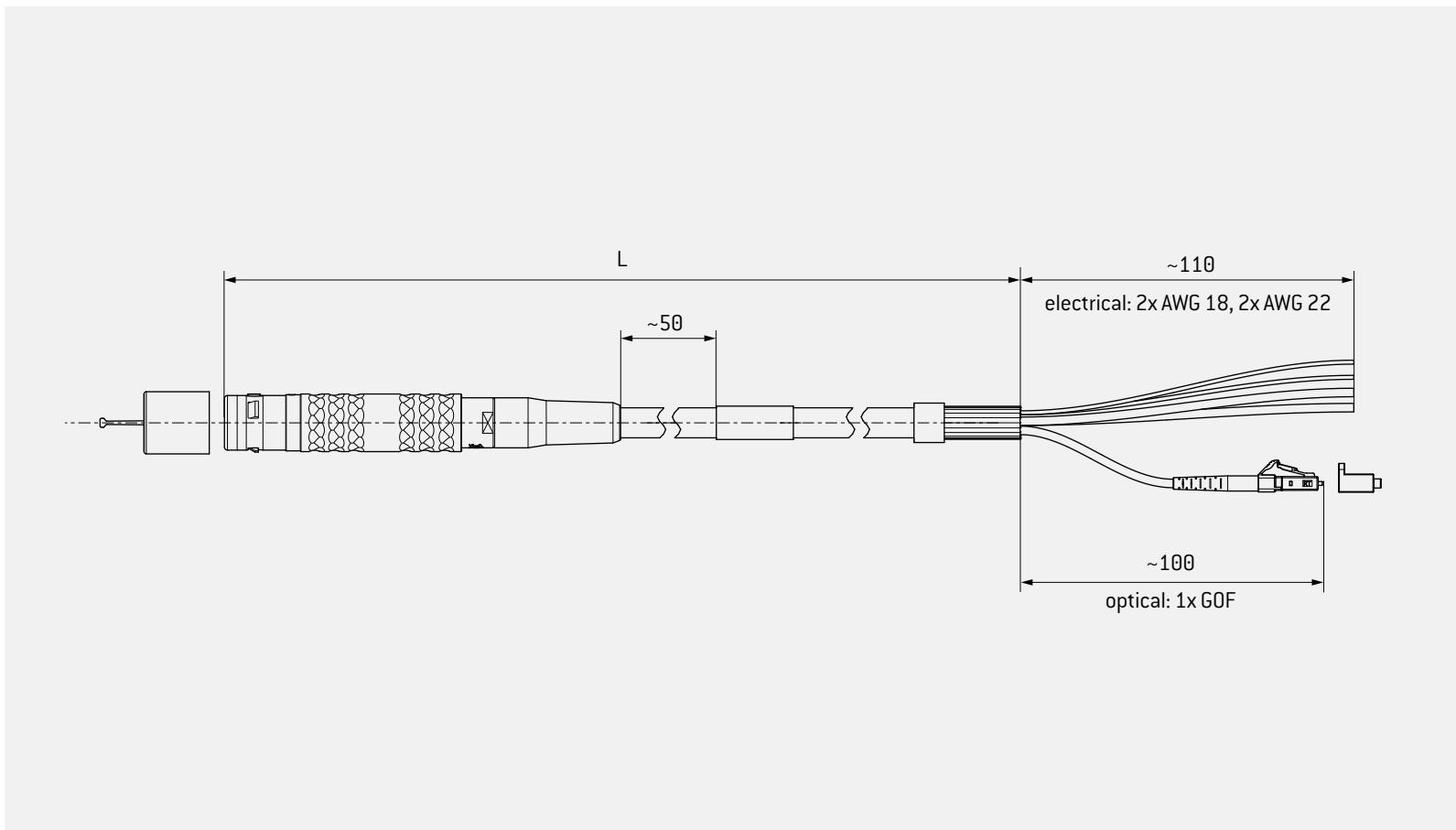
| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

NUMBER KEY:



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.







# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| A       | red                             |
| B       | white                           |
| C       | yellow                          |
| D       | green                           |
| E       | blue                            |
| F       | grey                            |
| G       | black                           |

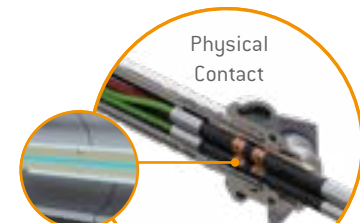
| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| YV           | Multimode  | LC/PC   |  |
| YU           | Singlemode | LC/PC   |   |
| YT           | Singlemode | LC/APC  |  |
| YS           | Multimode  | SC/PC   |   |
| YR           | Singlemode | SC/PC   |  |
| YQ           | Singlemode | SC/APC  |   |
| YP           | Multimode  | ST/PC   |  |
| YO           | Singlemode | ST/PC   |   |
| YN           | Singlemode | ST/APC  |  |
| YM           | Multimode  | FC/PC   |   |
| YL           | Singlemode | FC/PC   |  |
| YK           | Singlemode | FC/APC  |   |
| YJ           | Multimode  | E2000/PC  |   |
| YI           | Singlemode | E2000/PC  |   |
| YH           | Singlemode | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

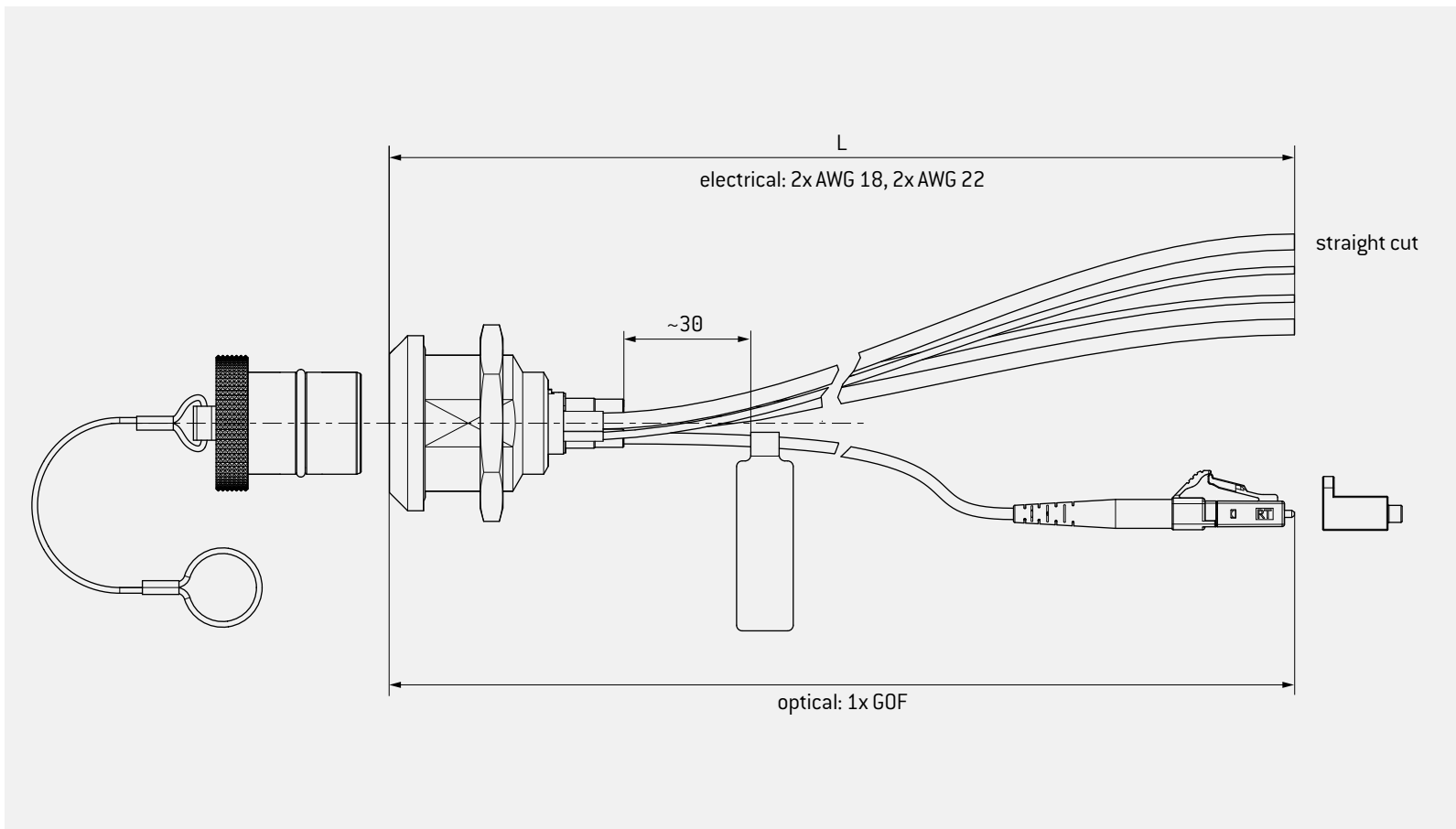
NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 2 | 2 | K |  |  | 0 | 1 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY









Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

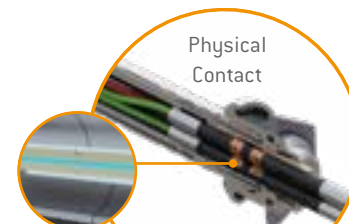
| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 12 - 13 | Count number |   |   |
|--------------|--------------|---|---|
|              | Mode         | Type and polish of Fiber Optic interface connector (2nd side) |   |
| WF           | Multimode    | LC/PC   |  |
| WE           | Singlemode   | LC/PC   |   |
| WD           | Singlemode   | LC/APC  |  |
| WC           | Multimode    | SC/PC   |   |
| WB           | Singlemode   | SC/PC   |  |
| WA           | Singlemode   | SC/APC  |   |
| W9           | Multimode    | ST/PC   |  |
| W8           | Singlemode   | ST/PC   |   |
| W7           | Singlemode   | ST/APC  |  |
| W6           | Multimode    | FC/PC   |   |
| W5           | Singlemode   | FC/PC   |  |
| W4           | Singlemode   | FC/APC  |   |
| W3           | Multimode    | E2000/PC  |   |
| W2           | Singlemode   | E2000/PC  |   |
| W1           | Singlemode   | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

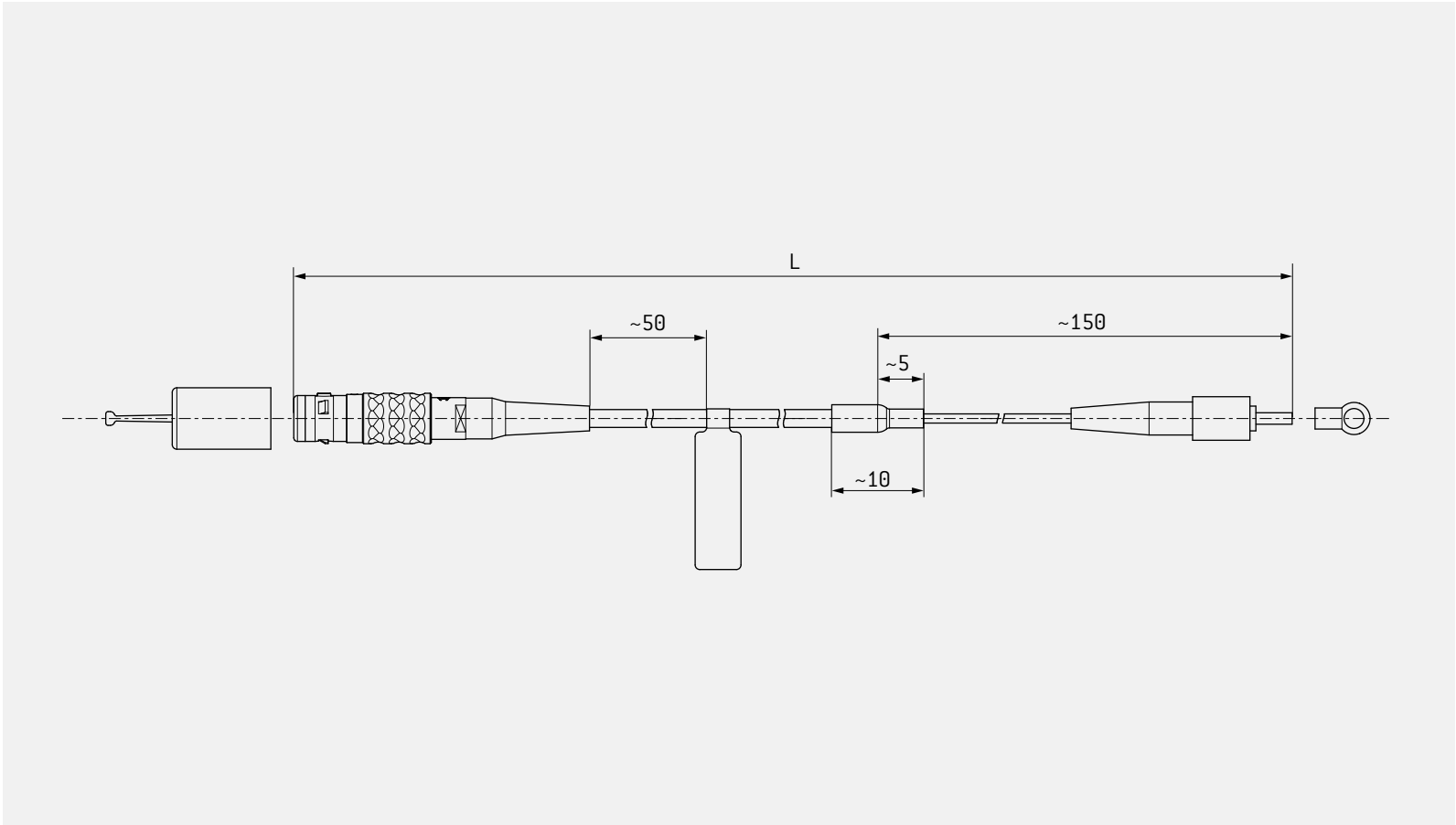


NUMBER KEY:



# POLYMER OPTICAL FIBER (POF)

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.


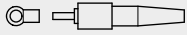
# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| 0      | Code 0 (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| A       | red                             |
| B       | white                           |
| C       | yellow                          |
| D       | green                           |
| E       | blue                            |
| F       | grey                            |
| G       | black                           |

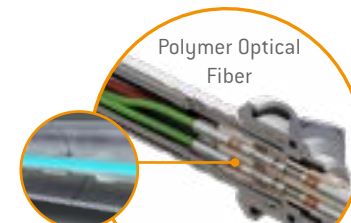
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| XQ           | Multimode | ST/PC   |  |
| XR           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

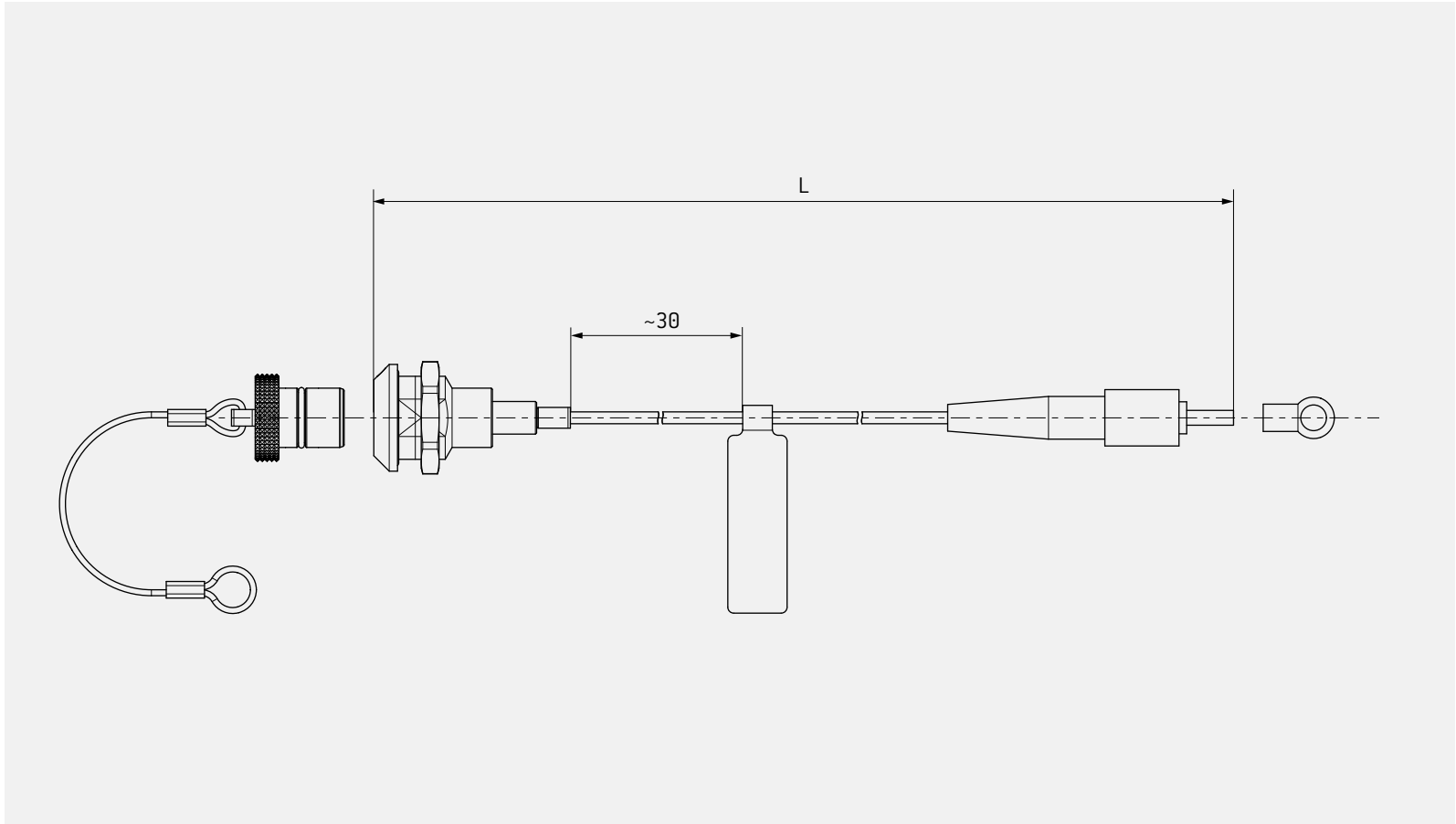
NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 2 | 0 | K |  |  | 0 | 1 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|





# POLYMER OPTICAL FIBER (POF) HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY





Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

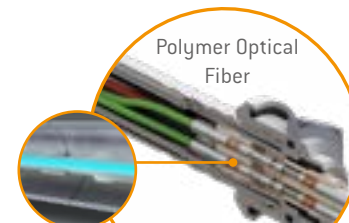
| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| VA           | Multimode | ST/PC   |  |
| VB           | Multimode | FSMA/PC   |  |

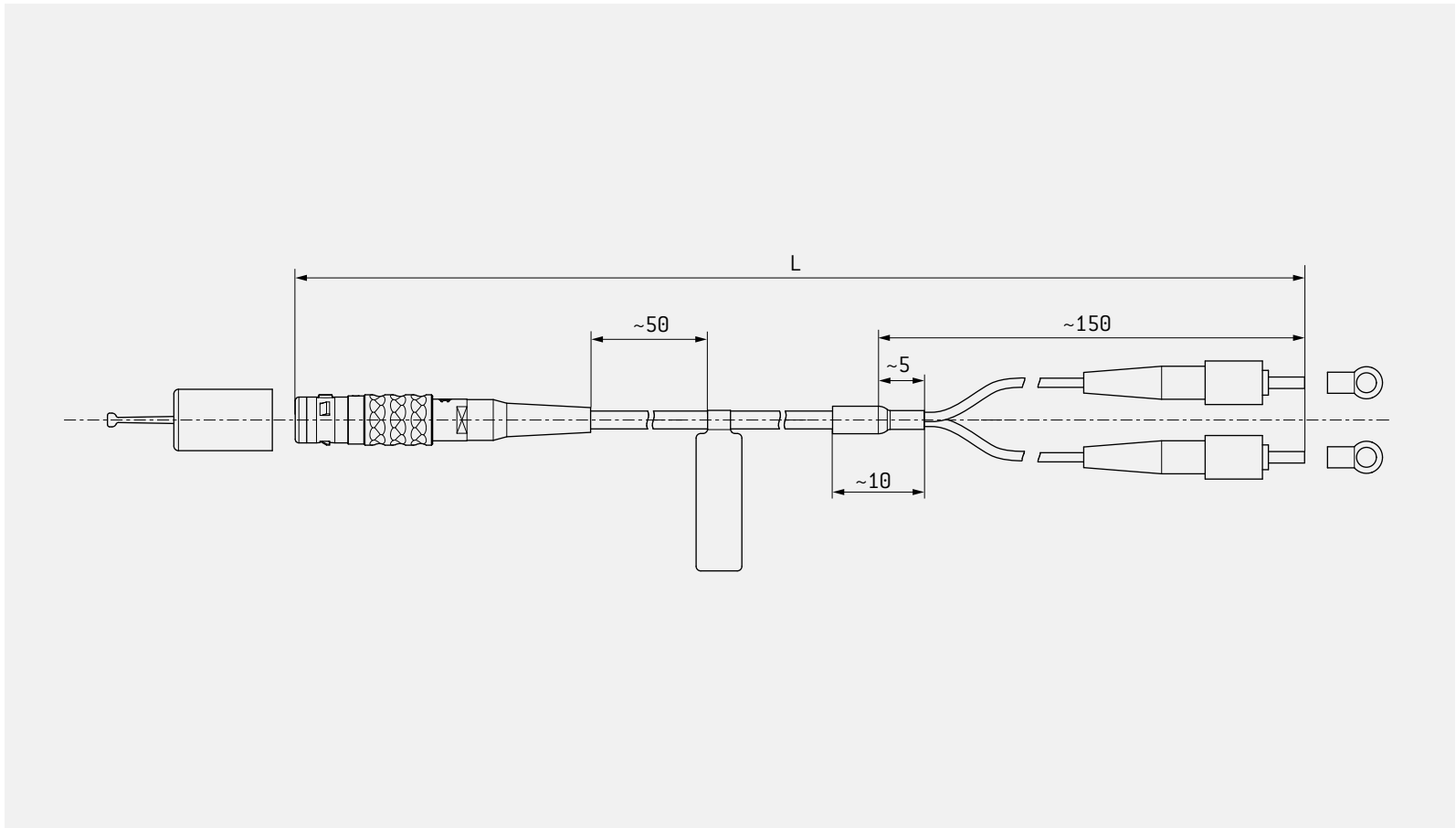
| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |

**NUMBER KEY:**



# POLYMER OPTICAL FIBER (POF)

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.



# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| 0      | Code 0 (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| A       | red                             |
| B       | white                           |
| C       | yellow                          |
| D       | green                           |
| E       | blue                            |
| F       | grey                            |
| G       | black                           |

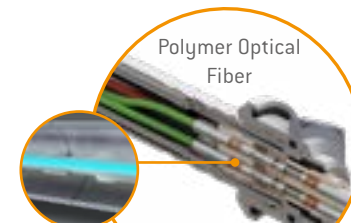
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| X0           | Multimode | ST/PC   |  |
| XP           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

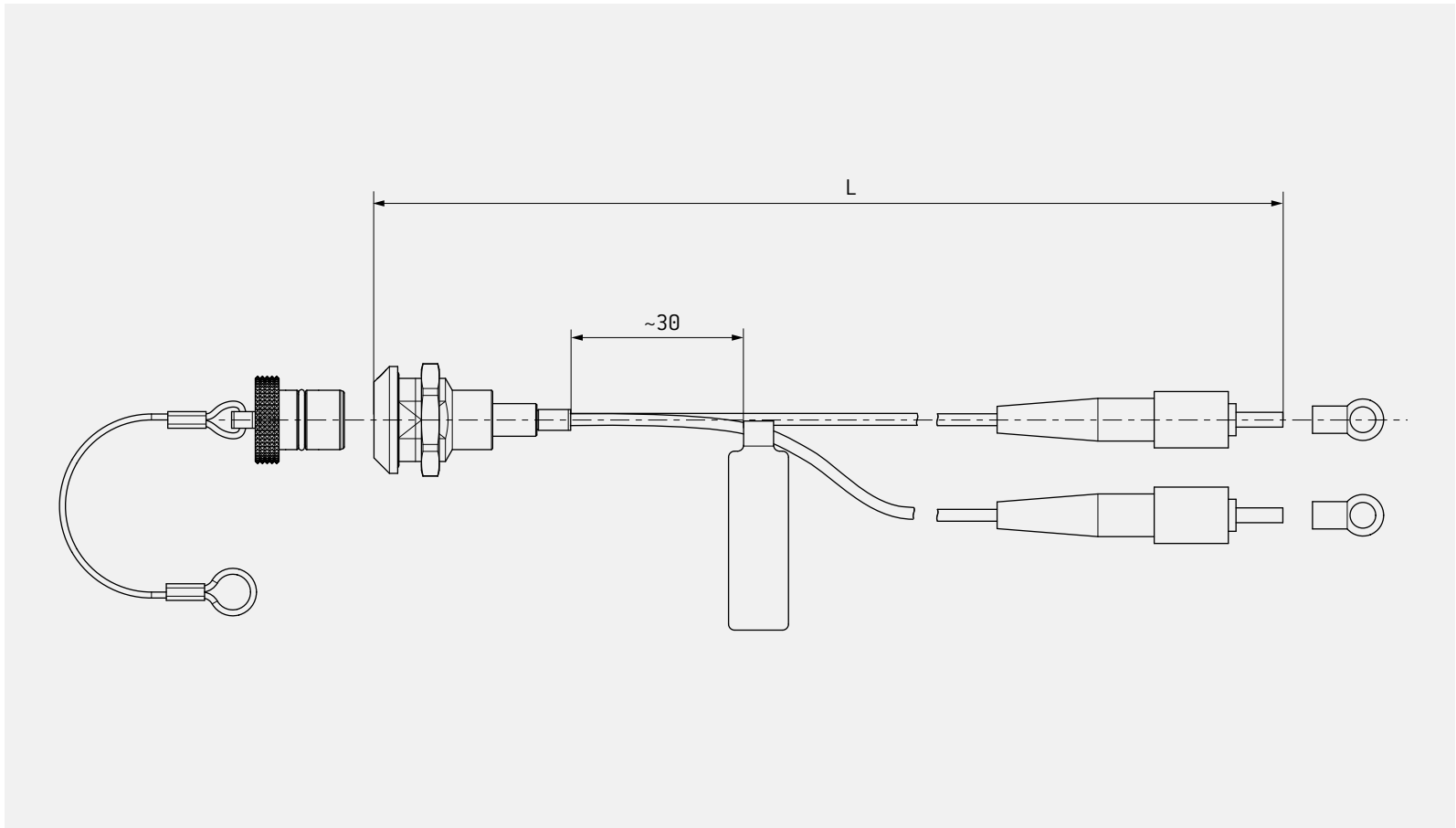
NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 2 | 3 | K |  |  | 0 | 2 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|



# POLYMER OPTICAL FIBER (POF)

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

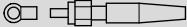
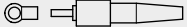


Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

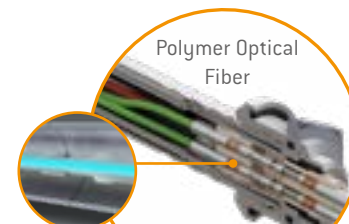
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| V8           | Multimode | ST/PC   |  |
| V9           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

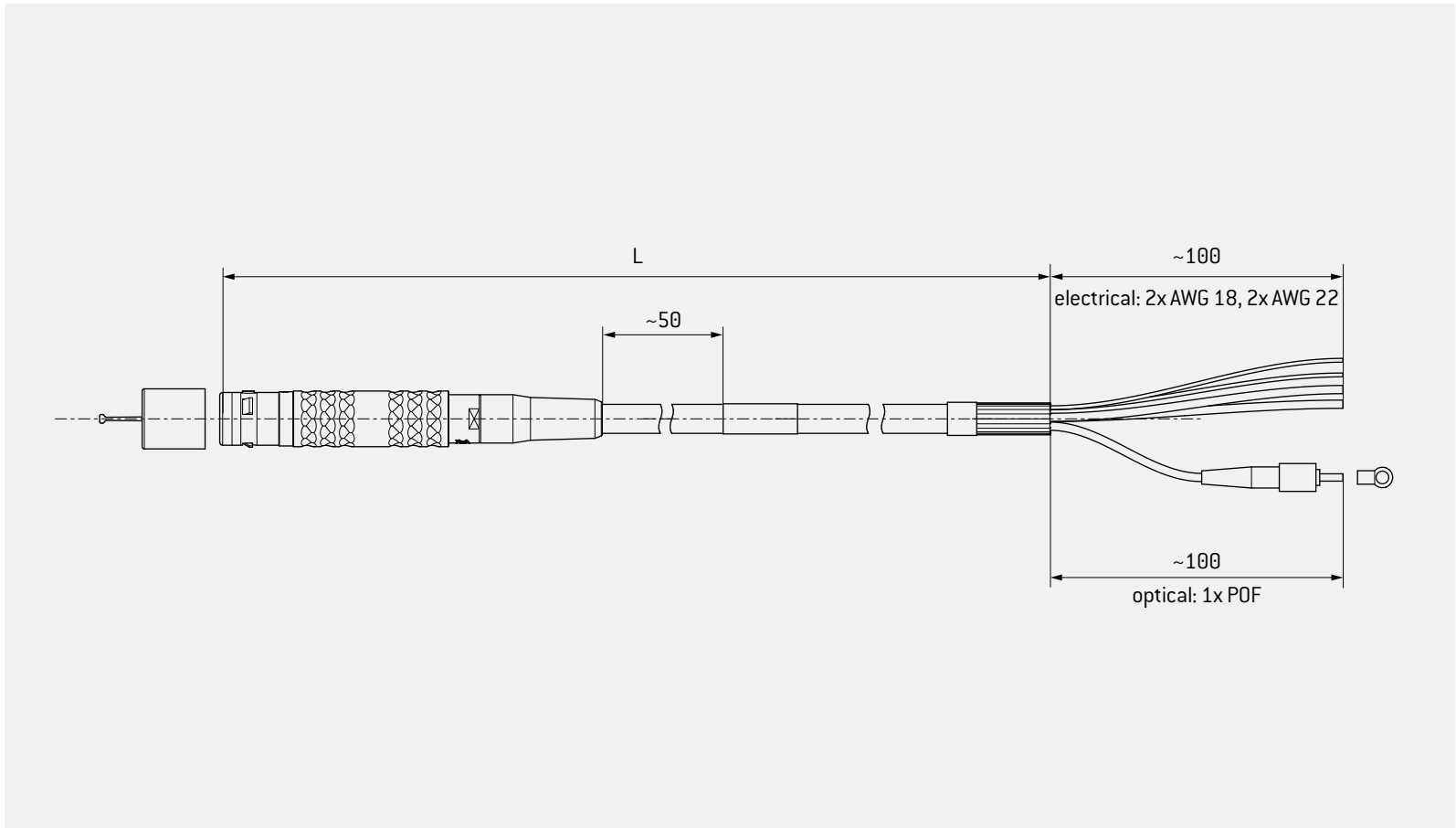
**NUMBER KEY:**

|   |   |   |   |   |  |  |   |   |   |   |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|---|--|--|--|--|--|--|--|--|
| F | G | 1 | 3 | K |  |  | 0 | 2 | 0 | 0 |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|---|--|--|--|--|--|--|--|--|



# POLYMER OPTICAL FIBER (POF)

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.

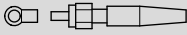
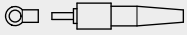
# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| 0      | Code 0 (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| A       | red                             |
| B       | white                           |
| C       | yellow                          |
| D       | green                           |
| E       | blue                            |
| F       | grey                            |
| G       | black                           |

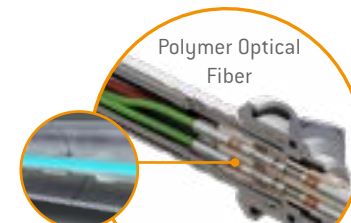
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| XM           | Multimode | ST/PC   |  |
| XN           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

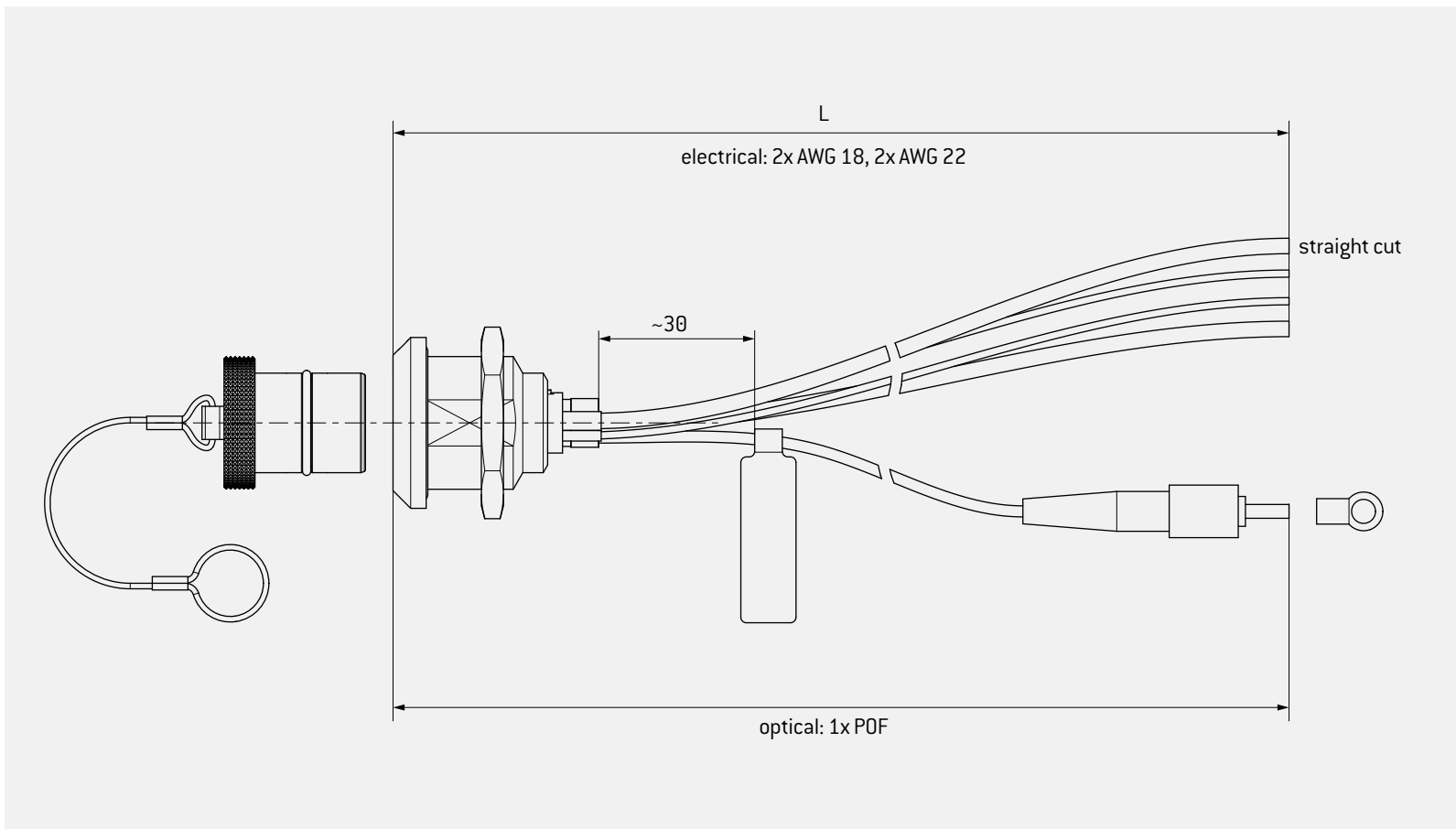
NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 2 | 2 | K |  |  | 0 | 1 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|





# POLYMER OPTICAL FIBER (POF) HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

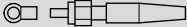
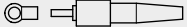


Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

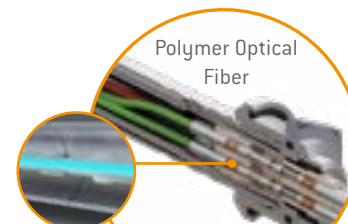
| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| V6           | Multimode | ST/PC   |  |
| V7           | Multimode | FSMA/PC   |  |

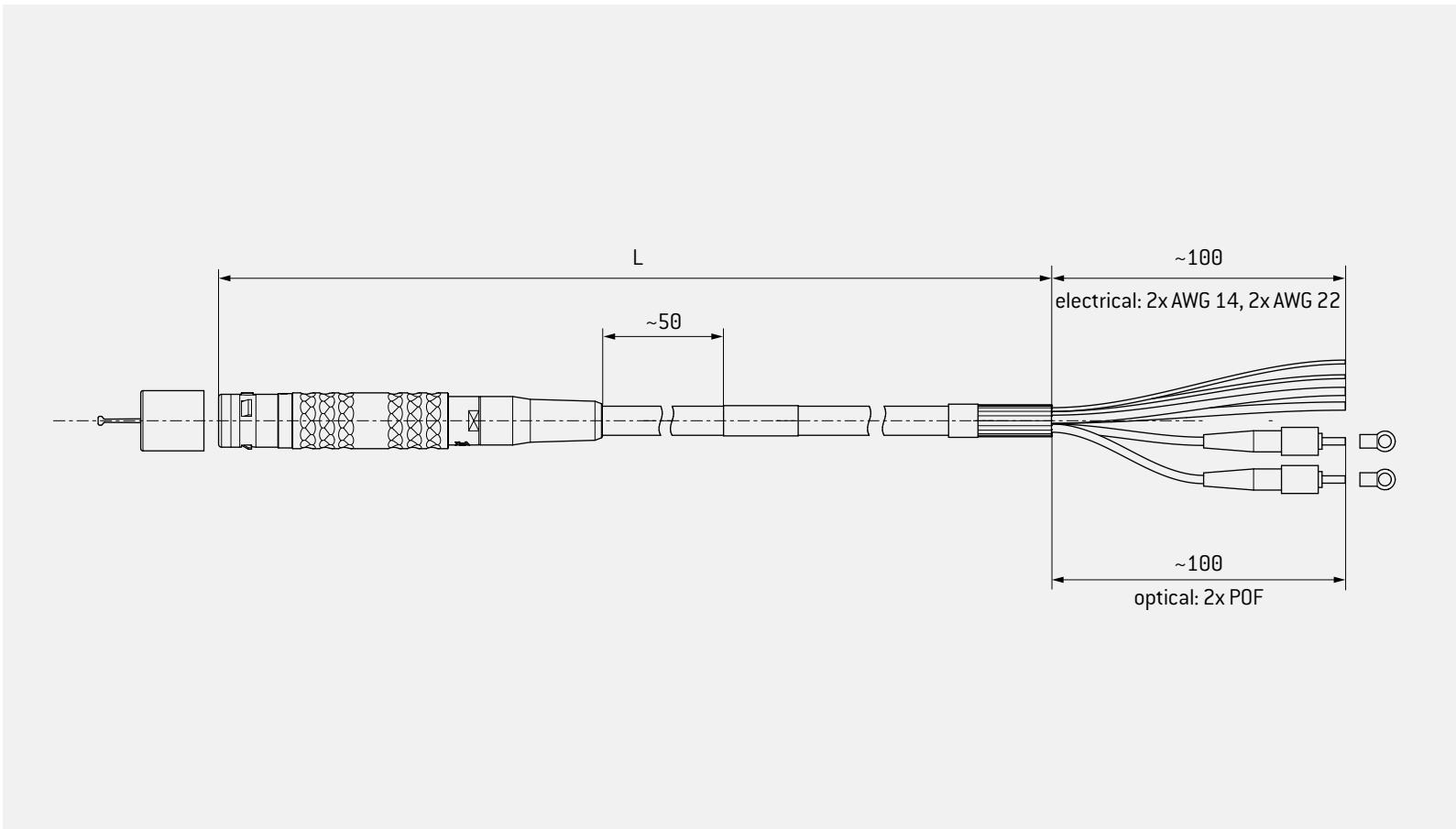
| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

NUMBER KEY:



# POLYMER OPTICAL FIBER (POF)

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.

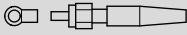
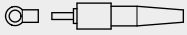
# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| 0      | Code 0 (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| A       | red                             |
| B       | white                           |
| C       | yellow                          |
| D       | green                           |
| E       | blue                            |
| F       | grey                            |
| G       | black                           |

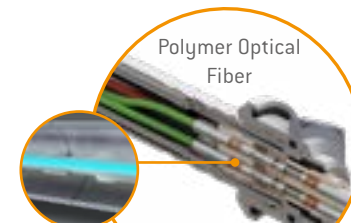
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| XK           | Multimode | ST/PC   |  |
| XL           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

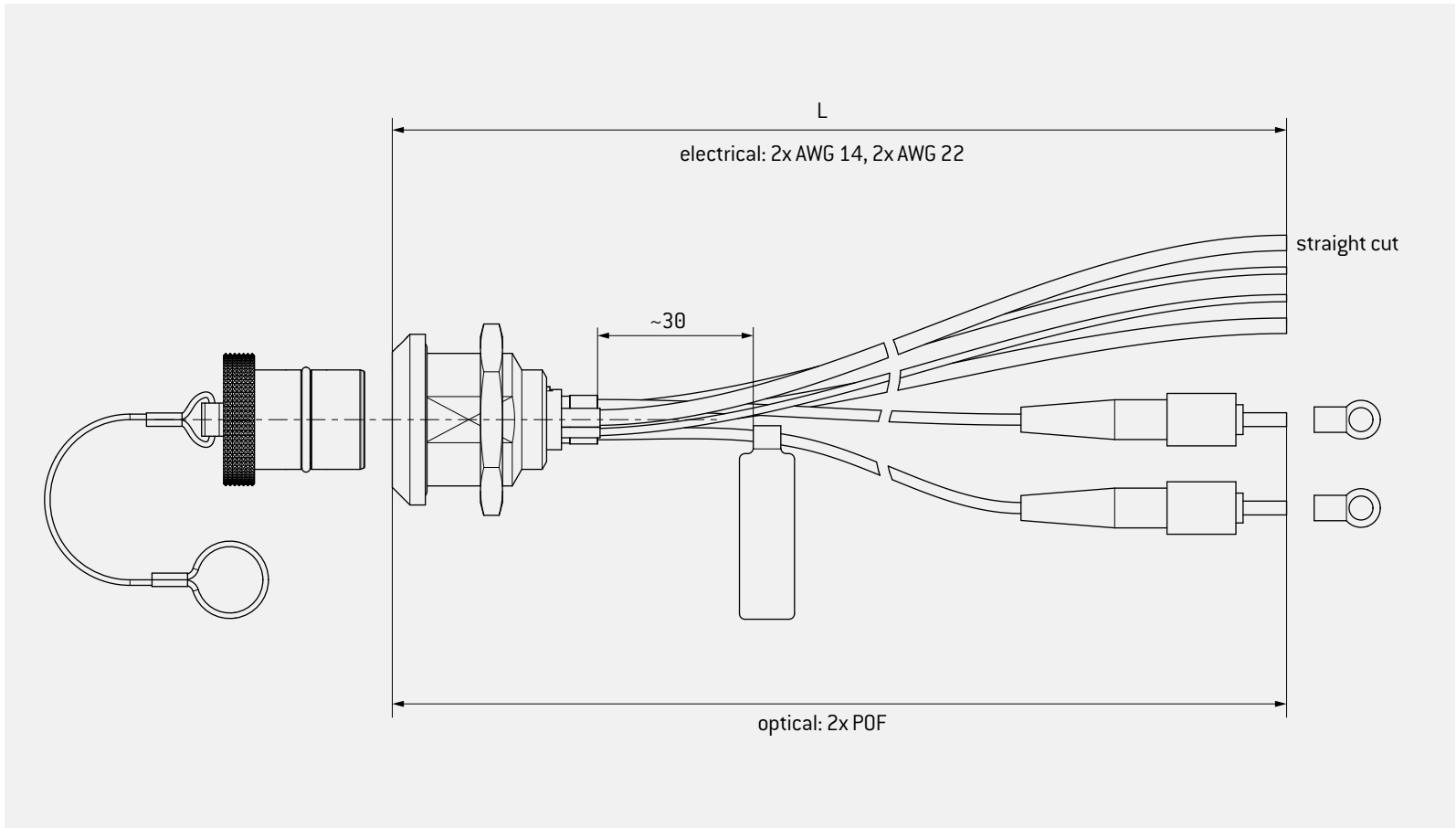
NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 2 | 3 | K |  |  | 0 | 2 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|



# POLYMER OPTICAL FIBER (POF)

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY


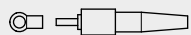


Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| Ø      | Code Ø (0°)   |
| A      | Code A (30°)  |
| C      | Code C (45°)  |
| F      | Code F (60°)  |
| H      | Code H (75°)  |
| K      | Code K (95°)  |
| Q      | Code Q (120°) |
| W      | Code W (145°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| C      | Matte chrome    |
| Z      | Tin-nickel      |

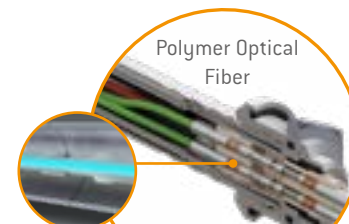
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| V4           | Multimode | ST/PC   |  |
| V5           | Multimode | FSMA/PC   |  |

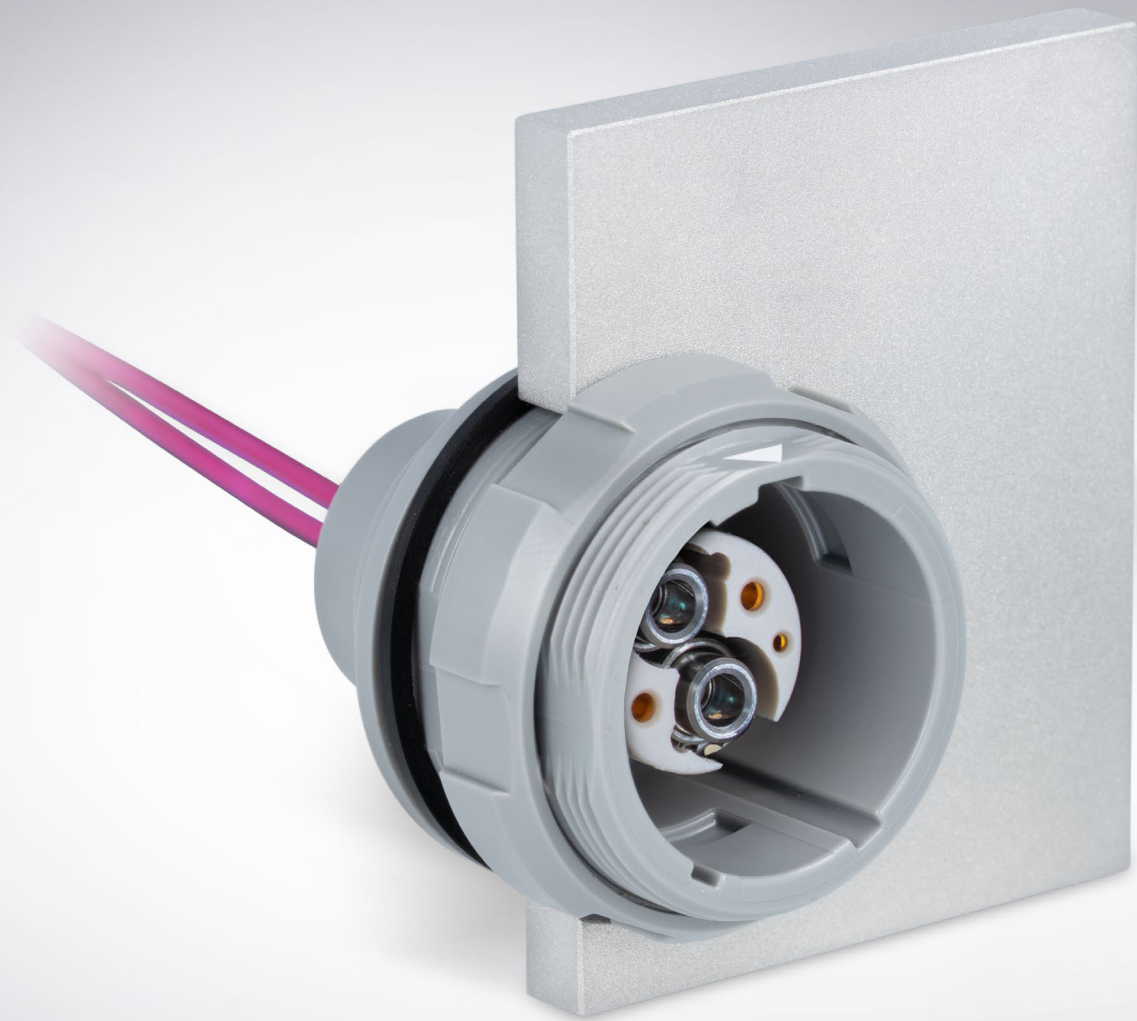
| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

**NUMBER KEY:**

|   |   |   |   |   |  |  |   |   |   |   |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|---|--|--|--|--|--|--|--|--|
| F | G | 1 | 3 | K |  |  | 0 | 2 | 0 | 0 |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|---|--|--|--|--|--|--|--|--|







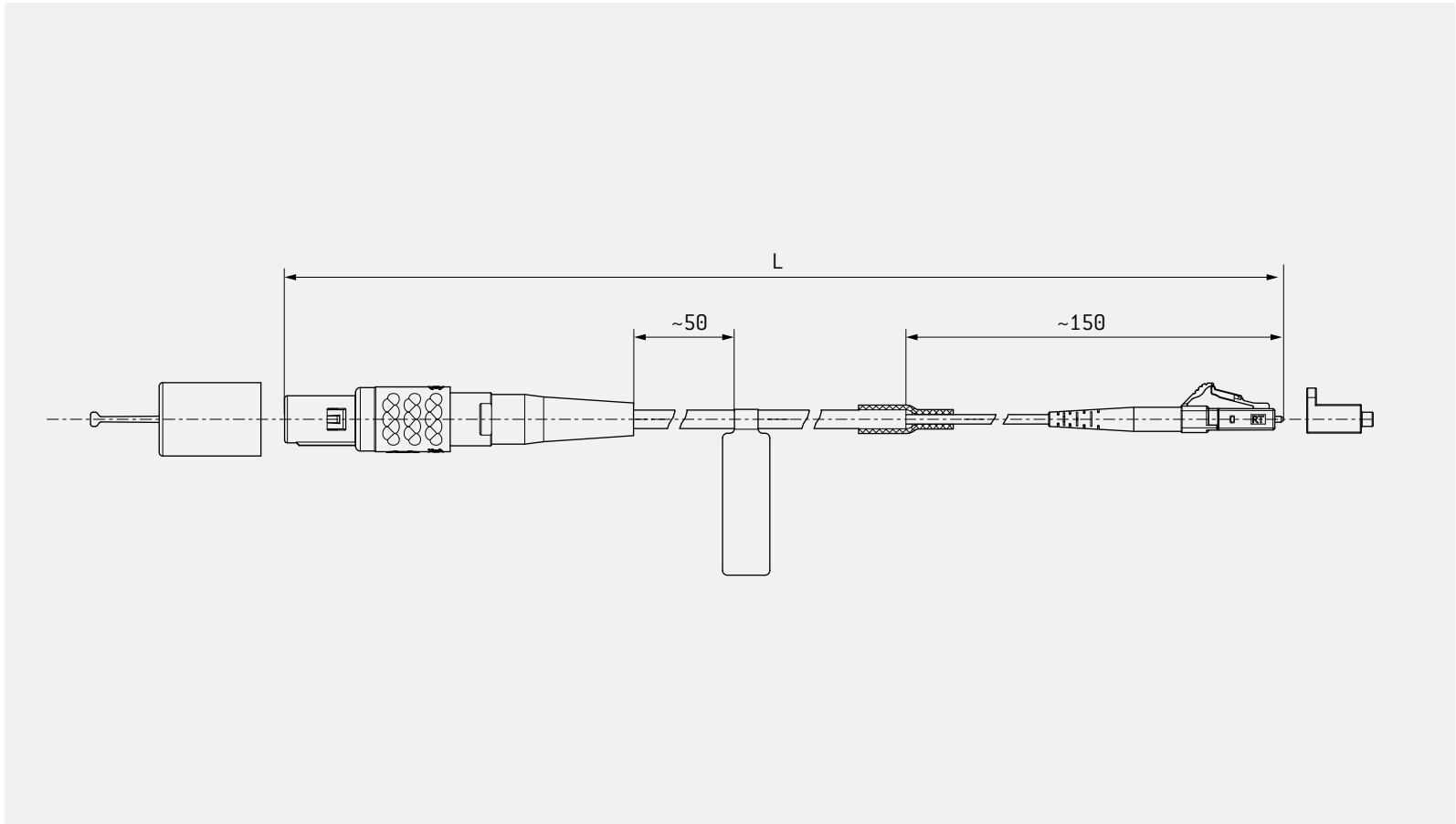
# ODU MEDI-SNAP<sup>®</sup>

|                                   |            |
|-----------------------------------|------------|
| Expanded Beam .....               | <u>136</u> |
| Physical Contact .....            | <u>152</u> |
| Polymer Optical Fiber (POF) ..... | <u>168</u> |



# EXPANDED BEAM

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.



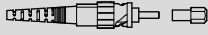
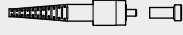

# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| 0      | Code 0 (0°)   |
| A      | Code A (40°)  |
| C      | Code C (60°)  |
| E      | Code E (80°)  |
| H      | Code H (170°) |
| J      | Code J (205°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| 7      | PSU grey        |
| 8      | PSU black       |
| S      | PEI black       |
| 3      | PSU white       |
| G      | PEI grey        |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| 2       | red                             |
| 3       | white                           |
| 4       | yellow                          |
| 5       | green                           |
| 6       | blue                            |
| 7       | grey                            |
| 8       | black                           |

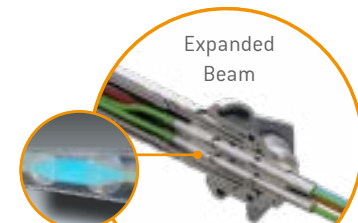
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZK           | Multimode | LC/PC   |  |
| ZJ           | Multimode | SC/PC   |  |
| ZI           | Multimode | ST/PC   |  |
| ZH           | Multimode | FC/PC   |  |
| ZG           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

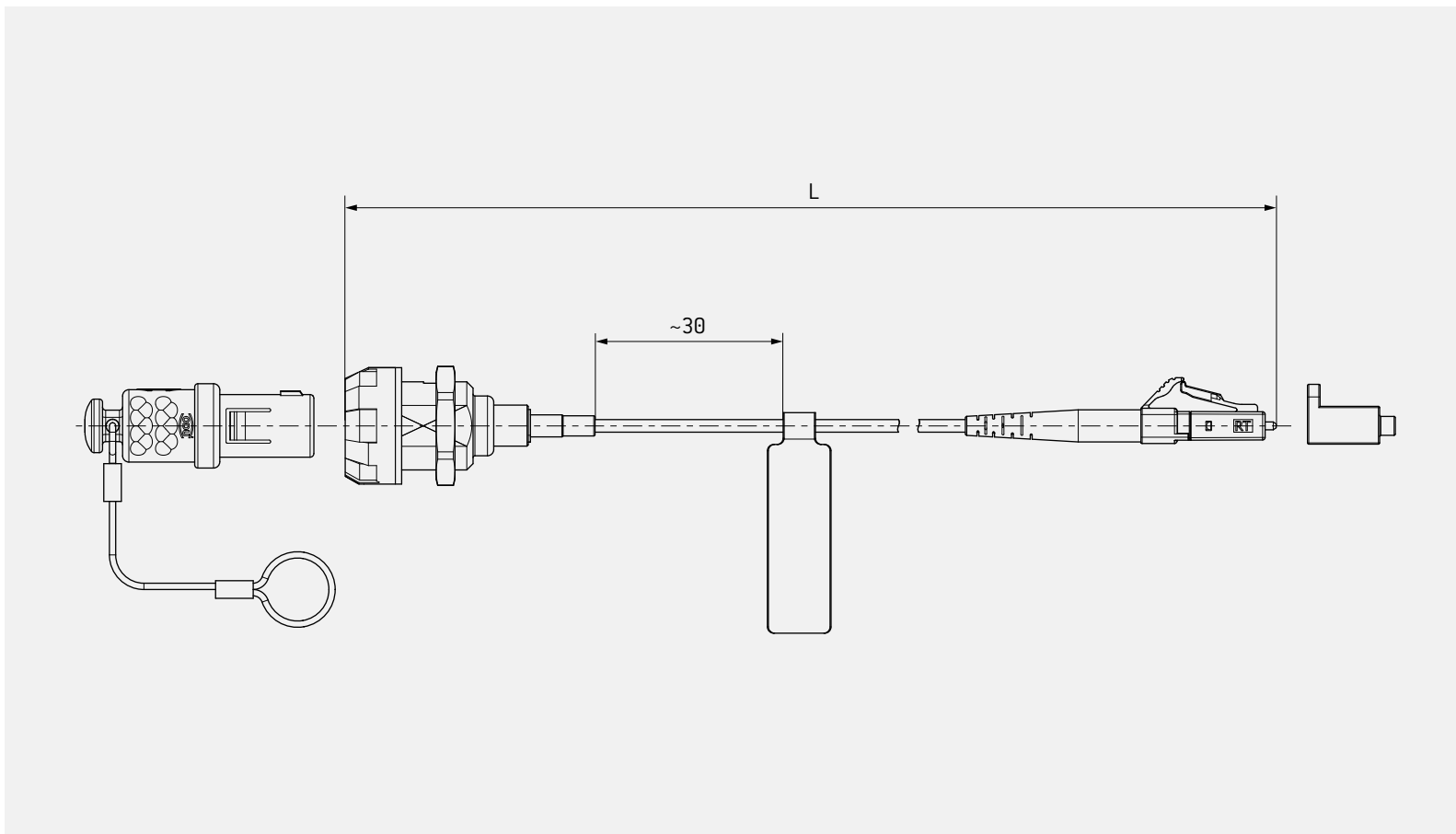
NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 4 | 1 | M |  |  | 0 | 1 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|



# EXPANDED BEAM

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY



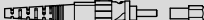




Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

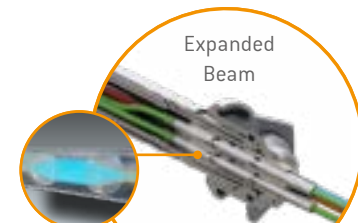
| Pos. 6 | Coding        |
|--------|---------------|
| 0      | Code 0 (0°)   |
| A      | Code A (40°)  |
| C      | Code C (60°)  |
| E      | Code E (80°)  |
| H      | Code H (170°) |
| J      | Code J (205°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| 7      | PSU grey        |
| 8      | PSU black       |
| S      | PEI black       |
| 3      | PSU white       |
| G      | PEI grey        |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| X4           | Multimode | LC/PC   |  |
| X3           | Multimode | SC/PC   |  |
| X2           | Multimode | ST/PC   |  |
| X1           | Multimode | FC/PC   |  |
| X0           | Multimode | E2000/PC  |  |

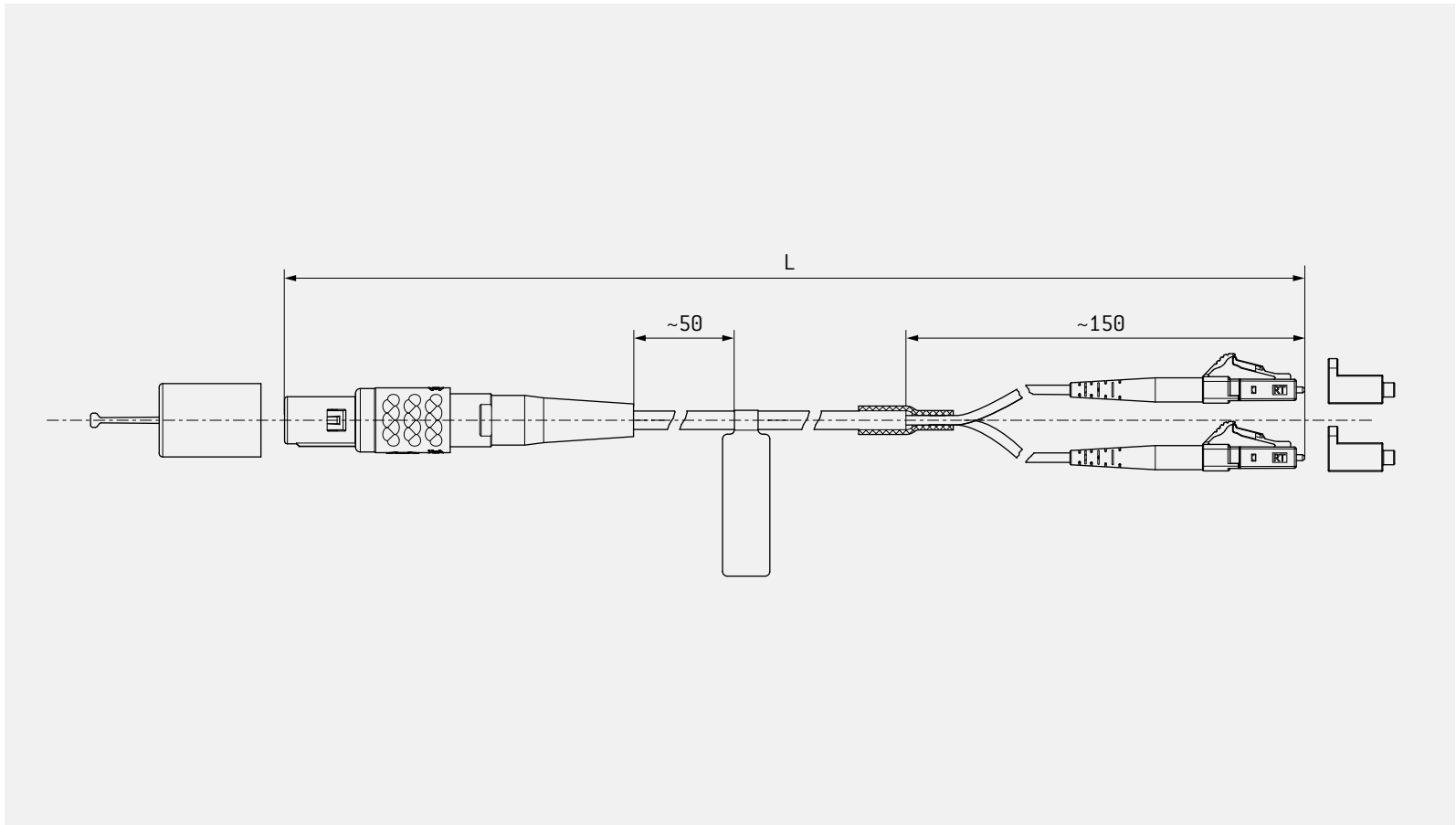
| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

NUMBER KEY:



# EXPANDED BEAM

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.


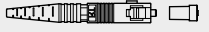

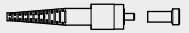

# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

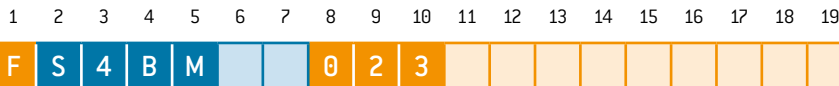
| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| F      | Code E (90°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| S      | PEI black       |
| G      | PEI grey        |

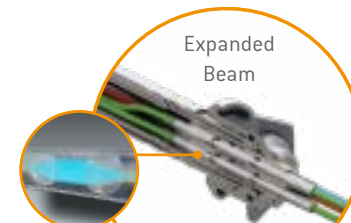
| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| 2       | red                             |
| 3       | white                           |
| 4       | yellow                          |
| 5       | green                           |
| 6       | blue                            |
| 7       | grey                            |
| 8       | black                           |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| Z0           | Multimode | LC/PC   |  |
| YZ           | Multimode | SC/PC   |  |
| YY           | Multimode | ST/PC   |  |
| YX           | Multimode | FC/PC   |  |
| YW           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

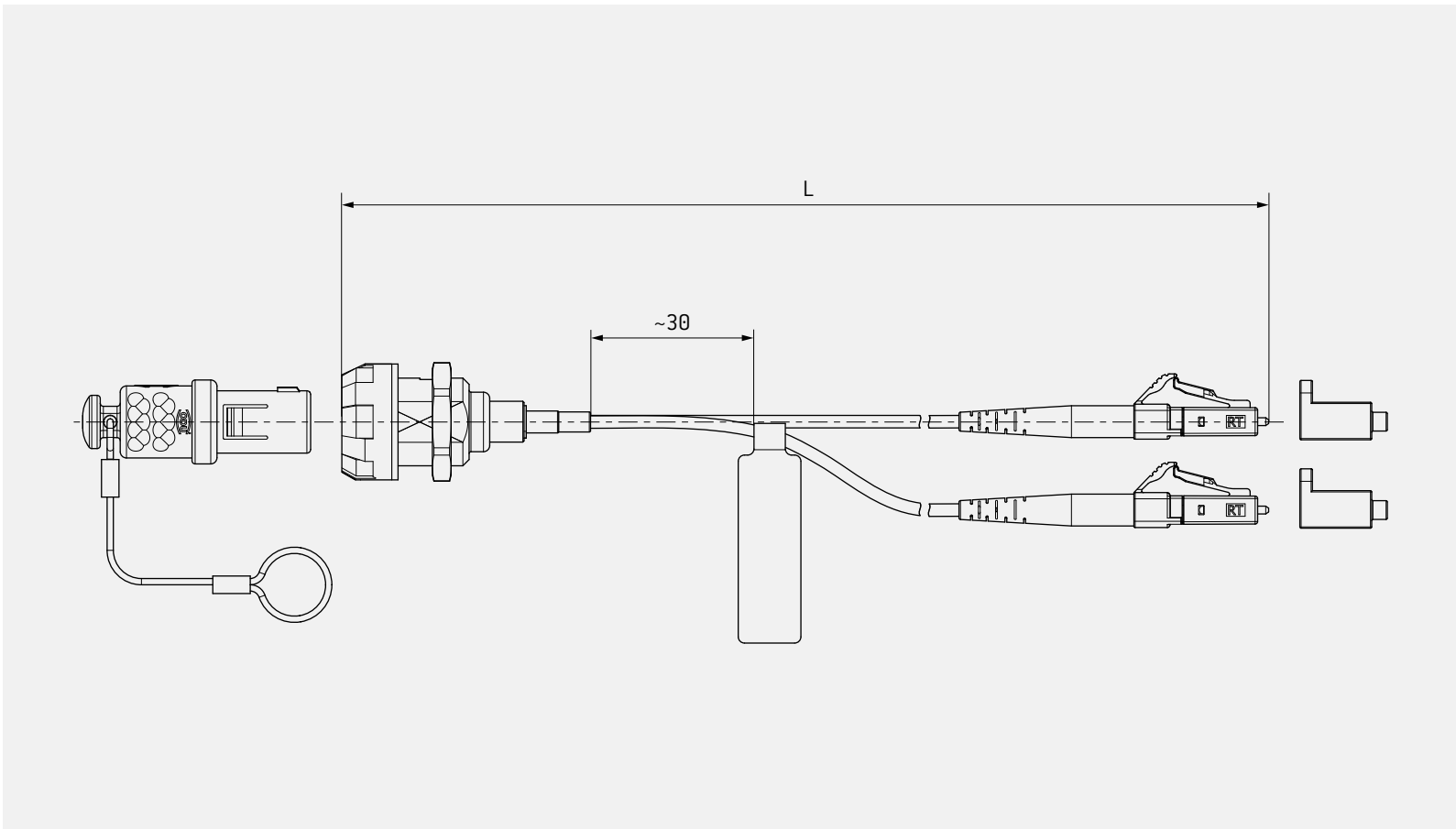


NUMBER KEY:



# EXPANDED BEAM

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY








Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

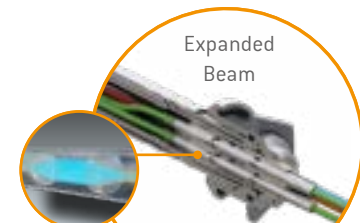
| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| F      | Code E (90°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| S      | PEI black       |
| G      | PEI grey        |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| WK           | Multimode | LC/PC   |  |
| WJ           | Multimode | SC/PC   |  |
| WI           | Multimode | ST/PC   |  |
| WH           | Multimode | FC/PC   |  |
| WG           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

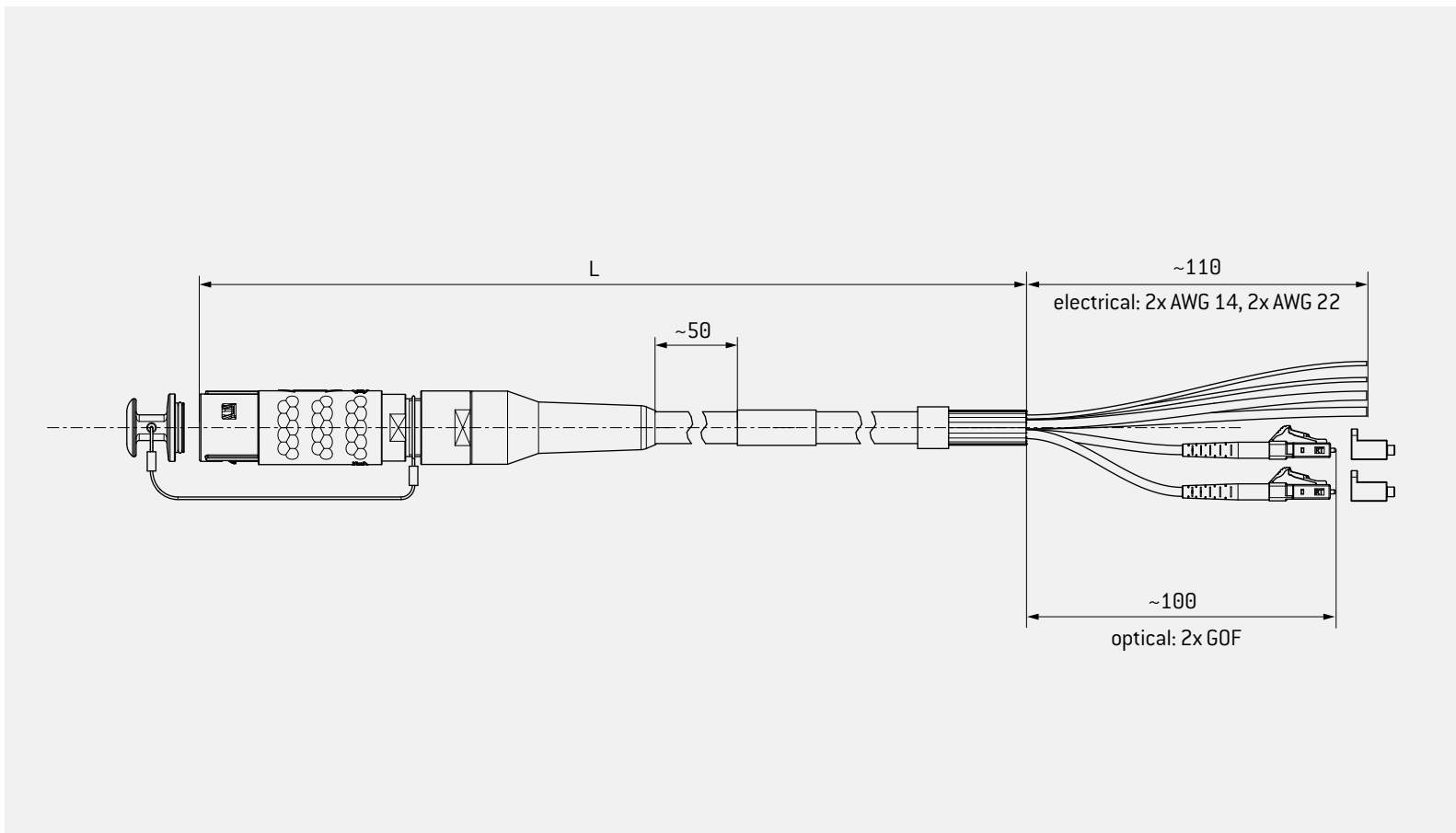
NUMBER KEY:





# EXPANDED BEAM

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.




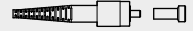

# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| F      | Code E (90°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| S      | PEI black       |
| G      | PEI grey        |

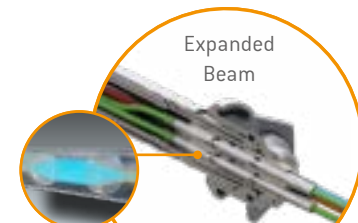
| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| 2       | red                             |
| 3       | white                           |
| 4       | yellow                          |
| 5       | green                           |
| 6       | blue                            |
| 7       | grey                            |
| 8       | black                           |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| XW           | Multimode | LC/PC   |  |
| XV           | Multimode | SC/PC   |  |
| XU           | Multimode | ST/PC   |  |
| XT           | Multimode | FC/PC   |  |
| XS           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

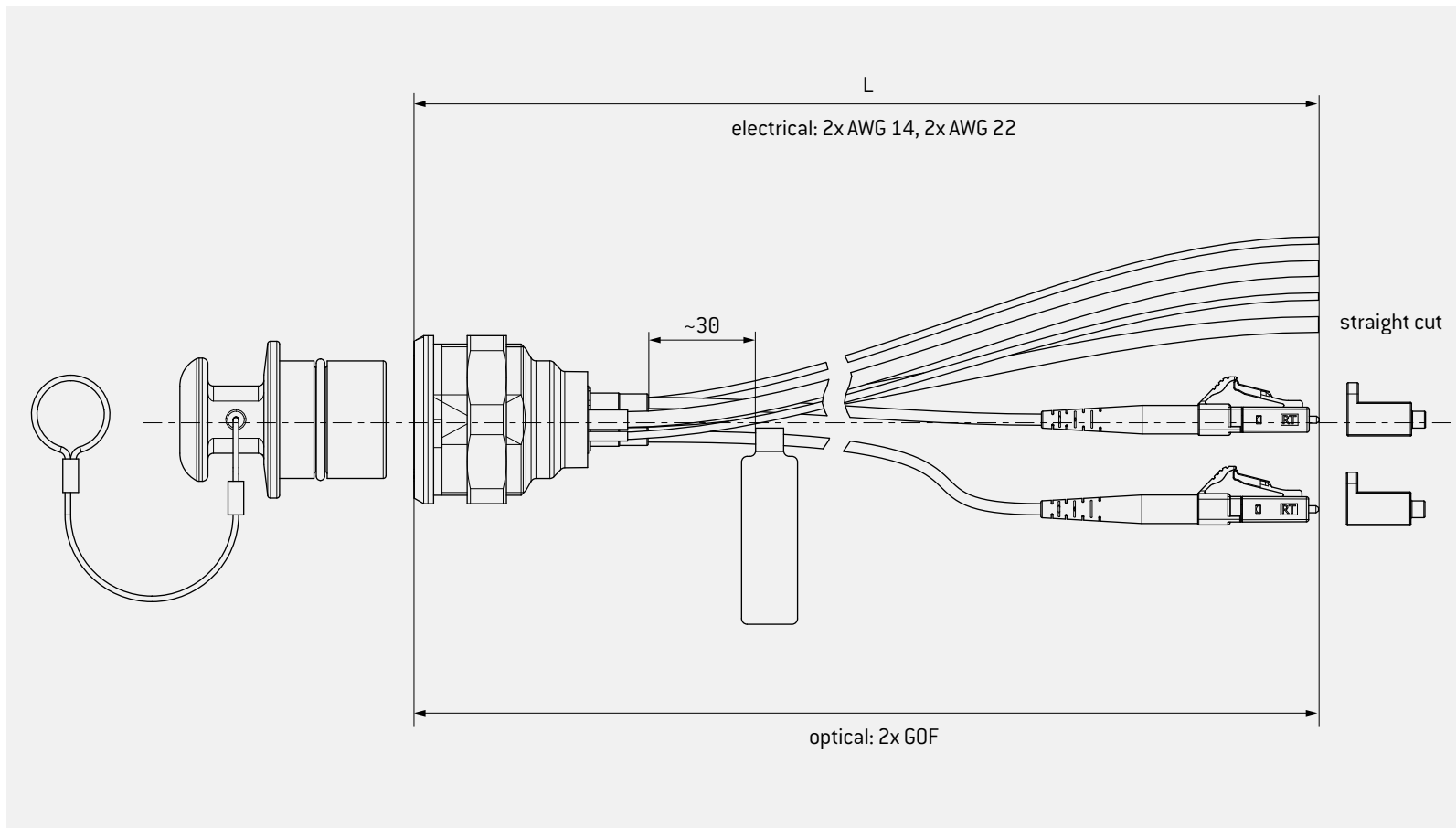
|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| F | S | 4 | B | M |   |   | 0 | 2 | 3  |    |    |    |    |    |    |    |    |    |

NUMBER KEY:



# EXPANDED BEAM

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY



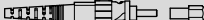




Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

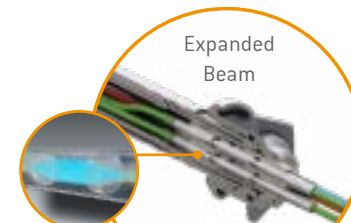
| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| F      | Code E (90°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| S      | PEI black       |
| G      | PEI grey        |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| VG           | Multimode | LC/PC   |  |
| VF           | Multimode | SC/PC   |  |
| VE           | Multimode | ST/PC   |  |
| VD           | Multimode | FC/PC   |  |
| VC           | Multimode | E2000/PC  |  |

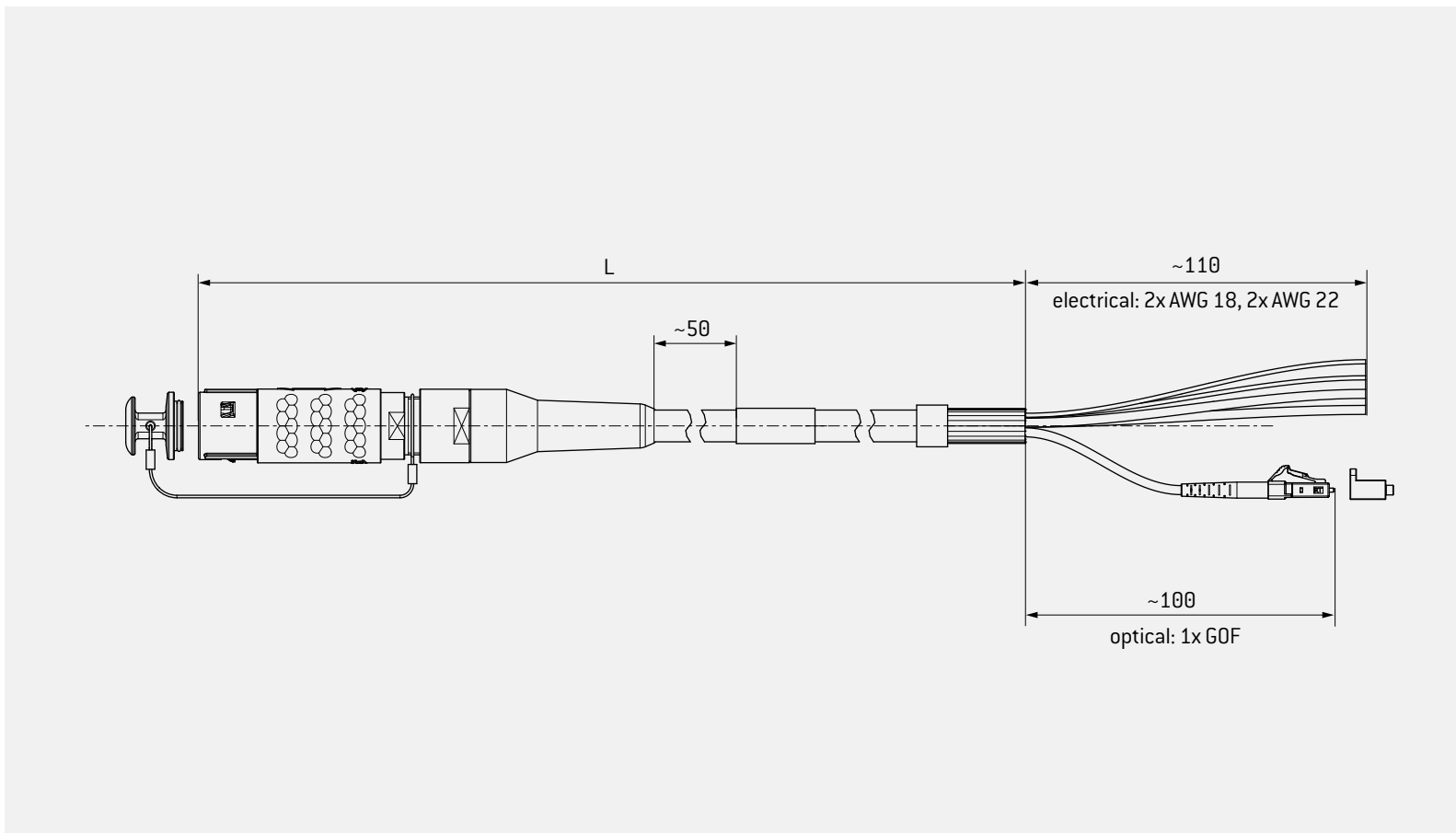
| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

NUMBER KEY:



# EXPANDED BEAM

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.


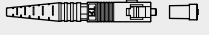
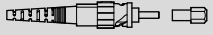
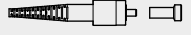

# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

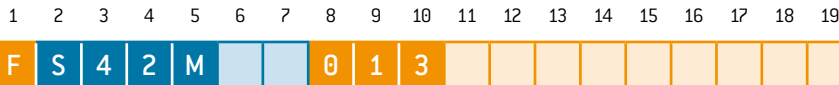
| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| E      | Code E (80°) |
| F      | Code E (90°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| 7      | PSU grey        |
| 8      | PSU black       |
| 9      | PSU orange      |

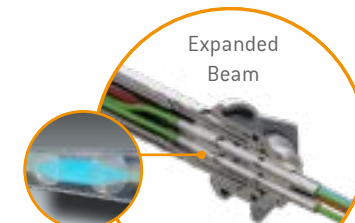
| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| 7       | grey                            |
| 8       | black                           |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| YG           | Multimode | LC/PC   |  |
| YF           | Multimode | SC/PC   |  |
| YE           | Multimode | ST/PC   |  |
| YD           | Multimode | FC/PC   |  |
| YC           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

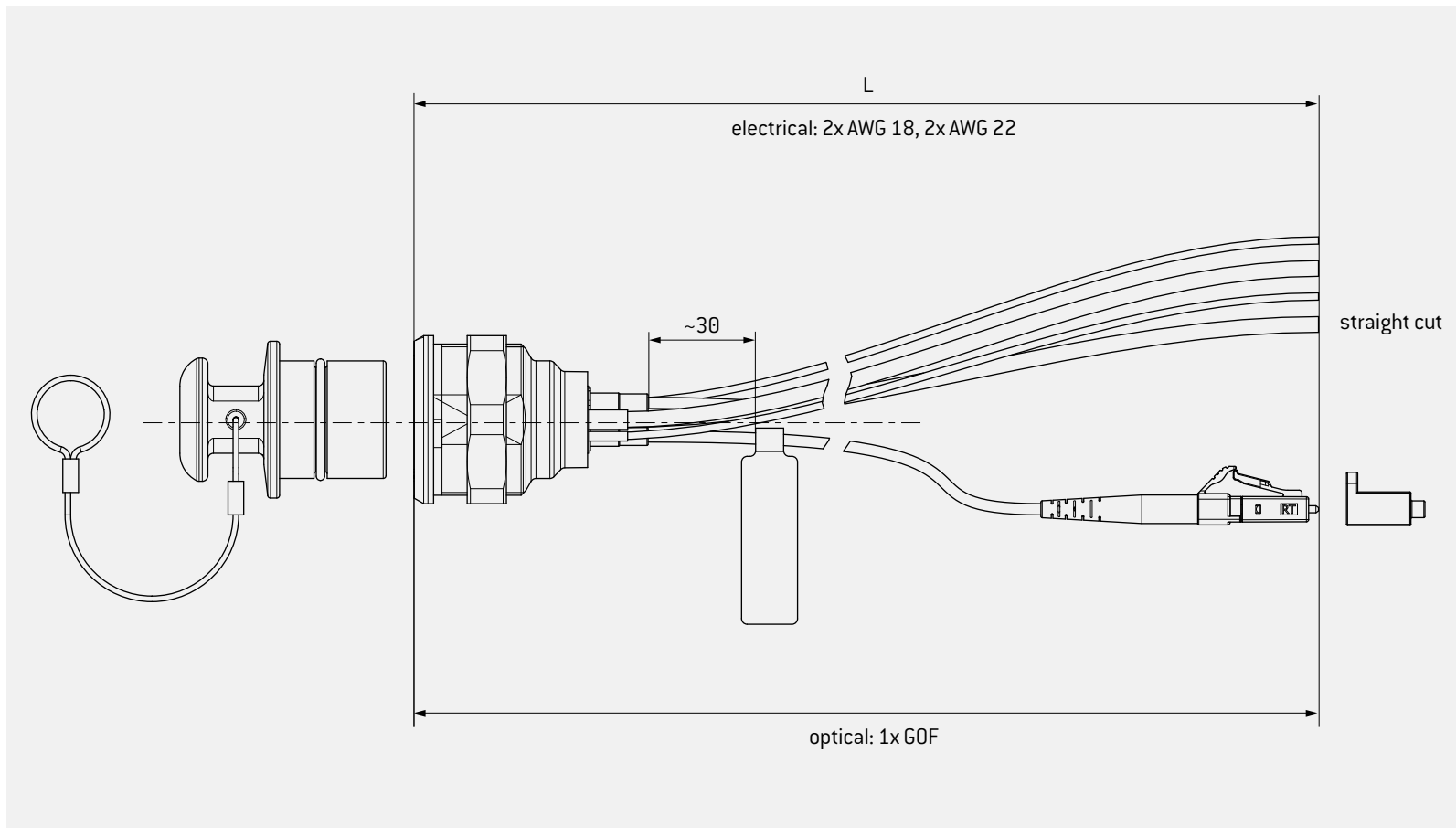


NUMBER KEY:



# EXPANDED BEAM

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY








Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| E      | Code E (80°) |
| F      | Code E (90°) |

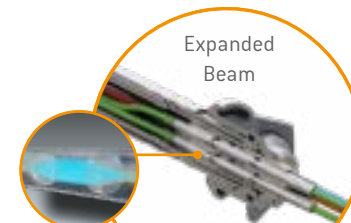
| Pos. 7 | Housing surface |
|--------|-----------------|
| 7      | PSU grey        |
| 8      | PSU black       |
| 9      | PSU orange      |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| W0           | Multimode | LC/PC   |  |
| VZ           | Multimode | SC/PC   |  |
| VY           | Multimode | ST/PC   |  |
| VX           | Multimode | FC/PC   |  |
| VW           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

NUMBER KEY:

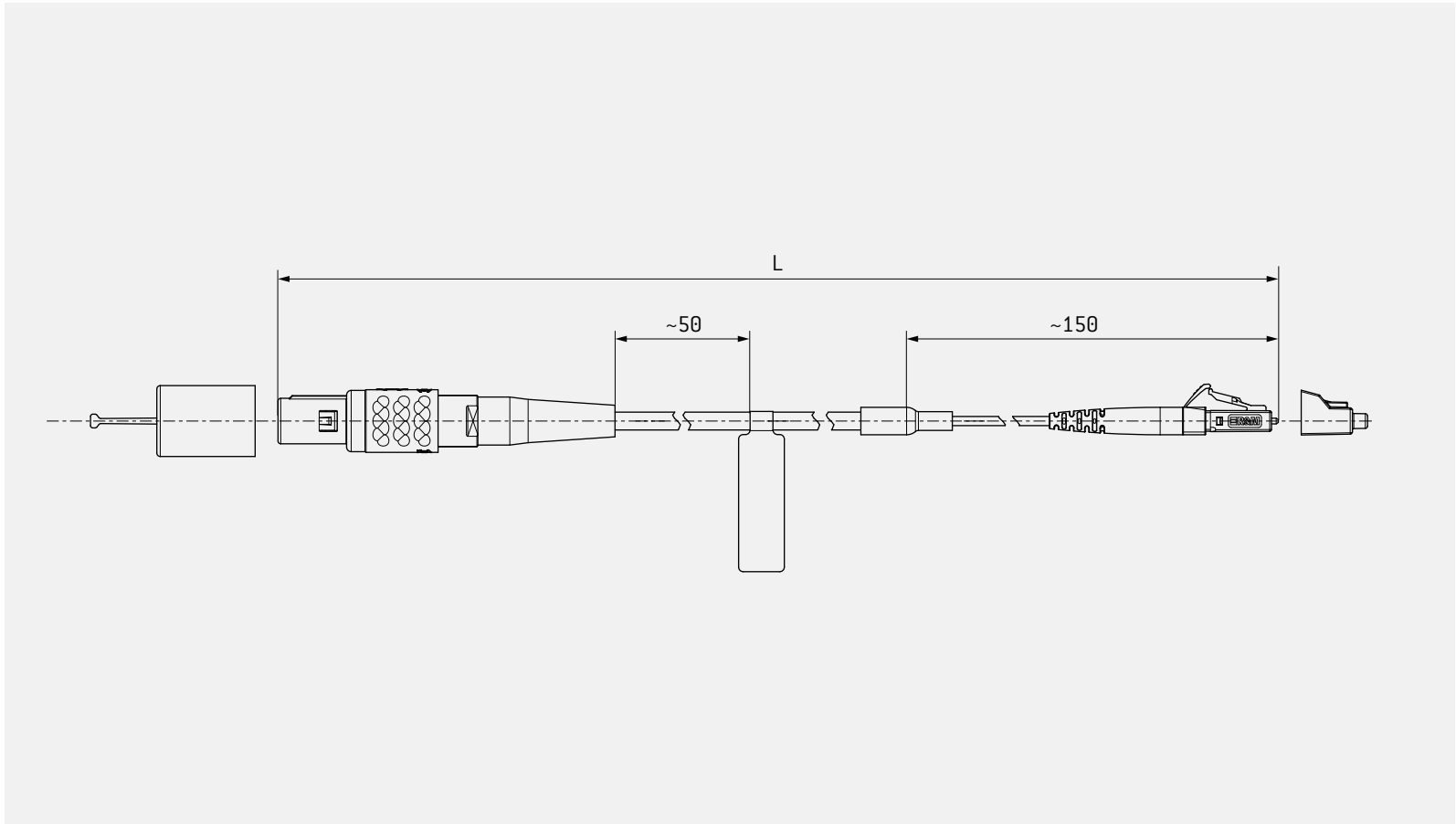
|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| F | G | 1 | 2 | M |   |   | 0 | 1 | 0  | 0  |    |    |    |    |    |    |    |    |





# PHYSICAL CONTACT

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.




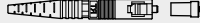











# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| 0      | Code 0 (0°)   |
| A      | Code A (40°)  |
| C      | Code C (60°)  |
| E      | Code E (80°)  |
| H      | Code H (170°) |
| J      | Code J (205°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| 7      | PSU grey        |
| 8      | PSU black       |
| S      | PEI black       |
| 3      | PSU white       |
| G      | PEI grey        |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| 2       | red                             |
| 3       | white                           |
| 4       | yellow                          |
| 5       | green                           |
| 6       | blue                            |
| 7       | grey                            |
| 8       | black                           |

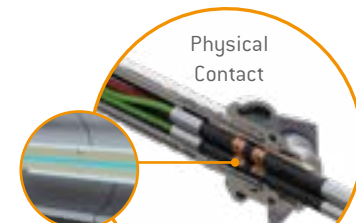
| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZZ           | Multimode  | LC/PC   |  |
| ZY           | Singlemode | LC/PC   |  |
| ZX           | Singlemode | LC/APC  |  |
| ZW           | Multimode  | SC/PC   |  |
| ZV           | Singlemode | SC/PC   |  |
| ZU           | Singlemode | SC/APC  |  |
| ZT           | Multimode  | ST/PC   |  |
| ZS           | Singlemode | ST/PC   |  |
| ZR           | Singlemode | ST/APC  |  |
| ZQ           | Multimode  | FC/PC   |  |
| ZP           | Singlemode | FC/PC   |  |
| ZO           | Singlemode | FC/APC  |  |
| ZN           | Multimode  | E2000/PC  |  |
| ZM           | Singlemode | E2000/PC  |  |
| ZL           | Singlemode | E2000/APC   |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

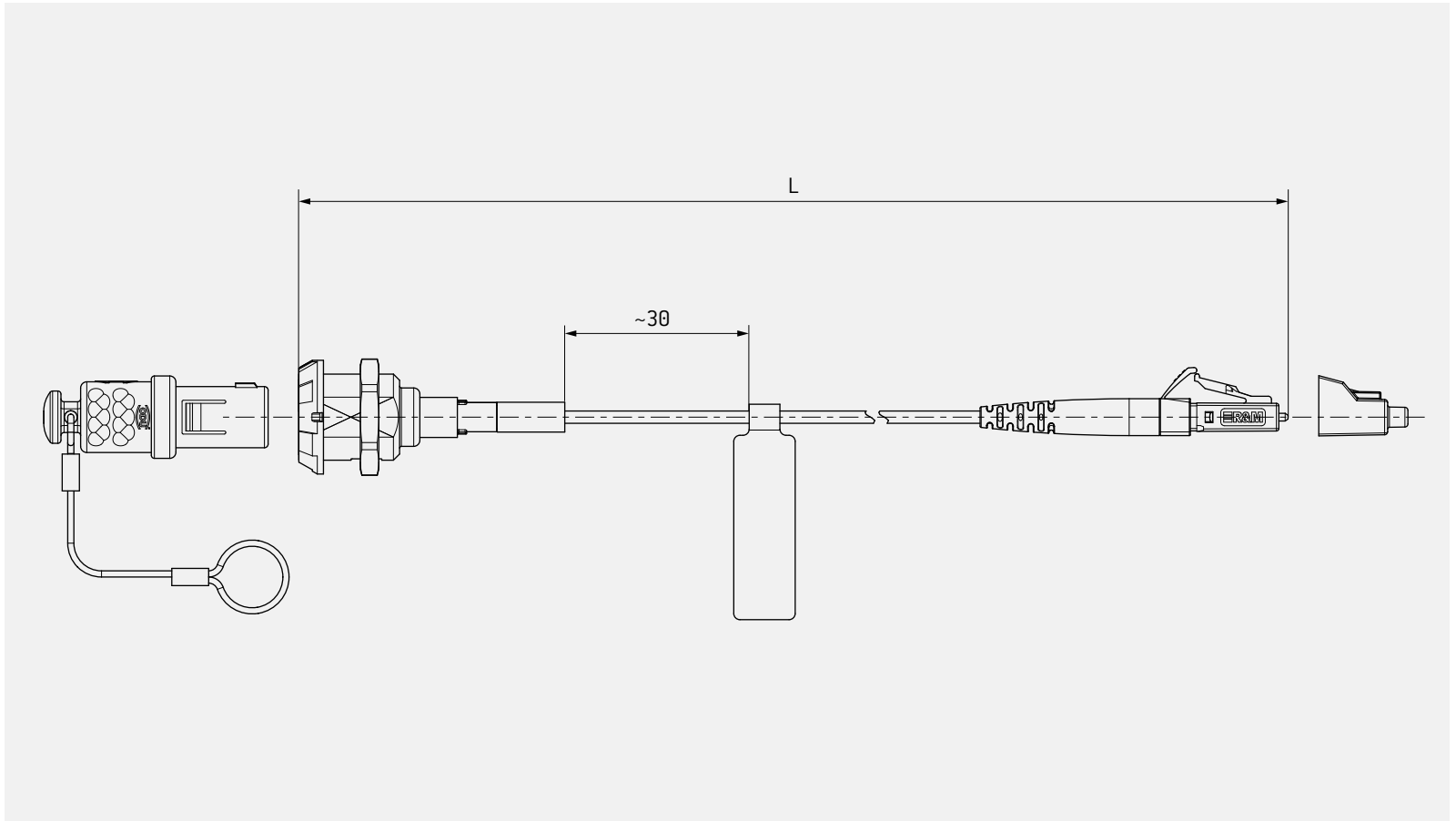
NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 2 | 1 | M |  |  | 0 | 1 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY









Please see the respective connector catalogue for a detailed connector specification.

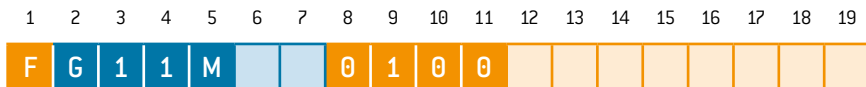
# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| 0      | Code 0 (0°)   |
| A      | Code A (40°)  |
| C      | Code C (60°)  |
| E      | Code E (80°)  |
| H      | Code H (170°) |
| J      | Code J (205°) |

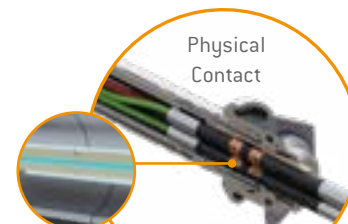
| Pos. 7 | Housing surface |
|--------|-----------------|
| 7      | PSU grey        |
| 8      | PSU black       |
| S      | PEI black       |
| 3      | PSU white       |
| G      | PEI grey        |

| Pos. 12 - 13 | Count number |   |   |
|--------------|--------------|---|---|
|              | Mode         | Type and polish of Fiber Optic interface connector (2nd side) |   |
| XJ           | Multimode    | LC/PC   |  |
| XI           | Singlemode   | LC/PC   |   |
| XH           | Singlemode   | LC/APC  |  |
| XG           | Multimode    | SC/PC   |   |
| XF           | Singlemode   | SC/PC   |  |
| XE           | Singlemode   | SC/APC  |   |
| XD           | Multimode    | ST/PC   |  |
| XC           | Singlemode   | ST/PC   |   |
| XB           | Singlemode   | ST/APC  |  |
| XA           | Multimode    | FC/PC   |   |
| X9           | Singlemode   | FC/PC   |  |
| X8           | Singlemode   | FC/APC  |   |
| X7           | Multimode    | E2000/PC  |   |
| X6           | Singlemode   | E2000/PC  |   |
| X5           | Singlemode   | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

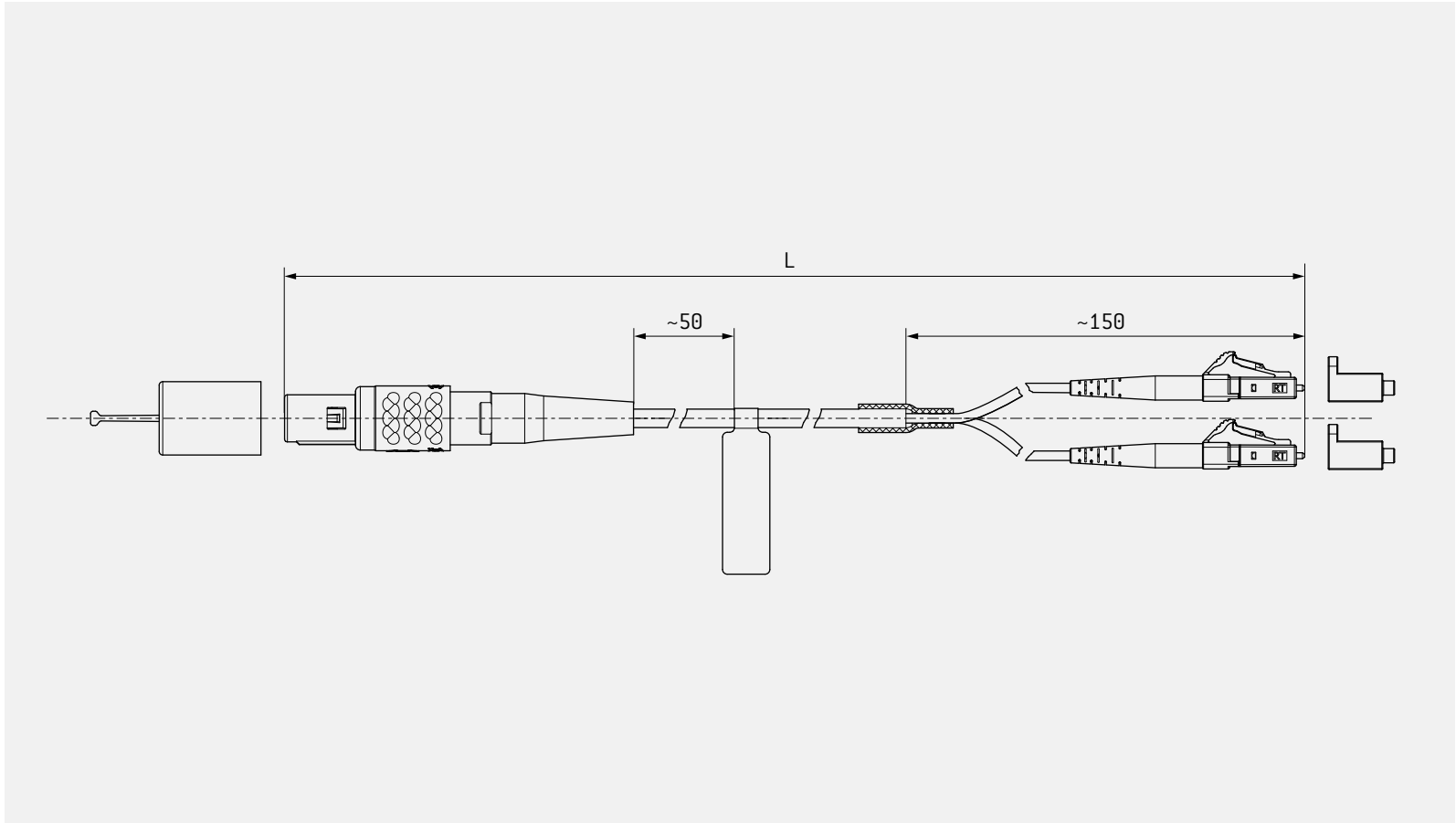


NUMBER KEY:



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.







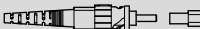








# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| F      | Code E (90°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| S      | PEI black       |
| G      | PEI grey        |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| 2       | red                             |
| 3       | white                           |
| 4       | yellow                          |
| 5       | green                           |
| 6       | blue                            |
| 7       | grey                            |
| 8       | black                           |

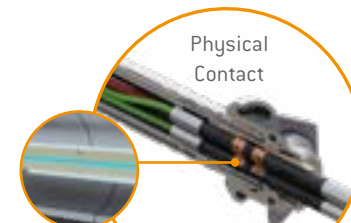
| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZF           | Multimode  | LC/PC   |  |
| ZE           | Singlemode | LC/PC   |  |
| ZD           | Singlemode | LC/APC  |  |
| ZC           | Multimode  | SC/PC   |  |
| ZB           | Singlemode | SC/PC   |  |
| ZA           | Singlemode | SC/APC  |  |
| Z9           | Multimode  | ST/PC   |  |
| Z8           | Singlemode | ST/PC   |  |
| Z7           | Singlemode | ST/APC  |  |
| Z6           | Multimode  | FC/PC   |  |
| Z5           | Singlemode | FC/PC   |  |
| Z4           | Singlemode | FC/APC  |  |
| Z3           | Multimode  | E2000/PC  |  |
| Z2           | Singlemode | E2000/PC  |  |
| Z1           | Singlemode | E2000/APC   |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

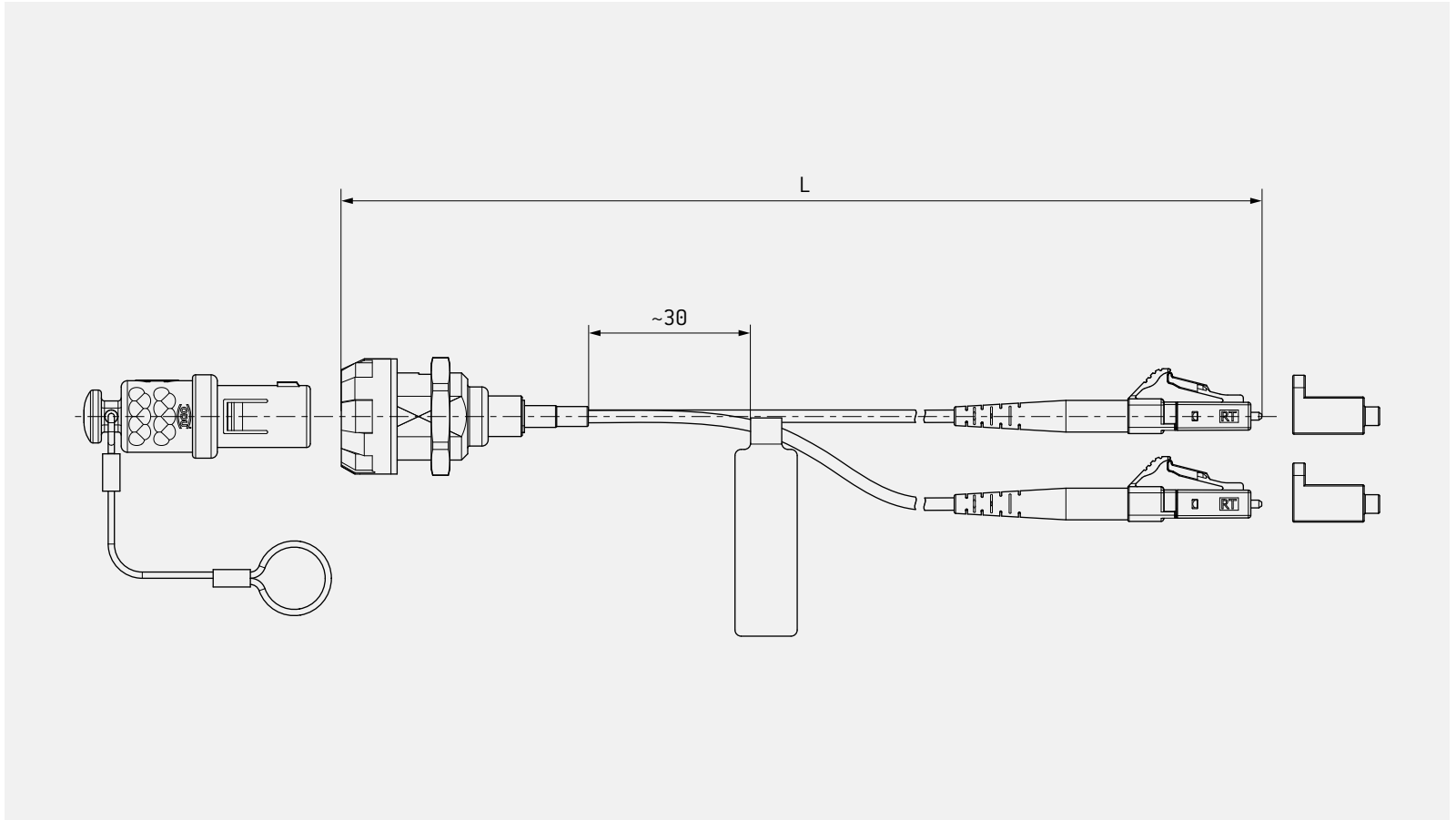
NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 4 | B | M |  |  | 0 | 2 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY








Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| F      | Code E (90°) |

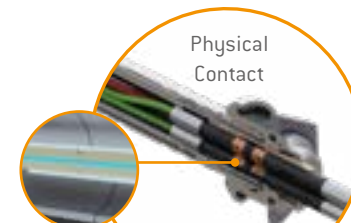
| Pos. 7 | Housing surface |
|--------|-----------------|
| S      | PEI black       |
| G      | PEI grey        |

| Pos. 12 - 13 | Count number |   |   |
|--------------|--------------|---|---|
|              | Mode         | Type and polish of Fiber Optic interface connector (2nd side) |   |
| WZ           | Multimode    | LC/PC   |  |
| WY           | Singlemode   | LC/PC   |   |
| WX           | Singlemode   | LC/APC  |   |
| WW           | Multimode    | SC/PC   |  |
| WV           | Singlemode   | SC/PC   |   |
| WU           | Singlemode   | SC/APC  |   |
| WT           | Multimode    | ST/PC   |  |
| WS           | Singlemode   | ST/PC   |   |
| WR           | Singlemode   | ST/APC  |   |
| WQ           | Multimode    | FC/PC   |  |
| WP           | Singlemode   | FC/PC   |   |
| WO           | Singlemode   | FC/APC  |   |
| WN           | Multimode    | E2000/PC  |  |
| WM           | Singlemode   | E2000/PC  |   |
| WL           | Singlemode   | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |



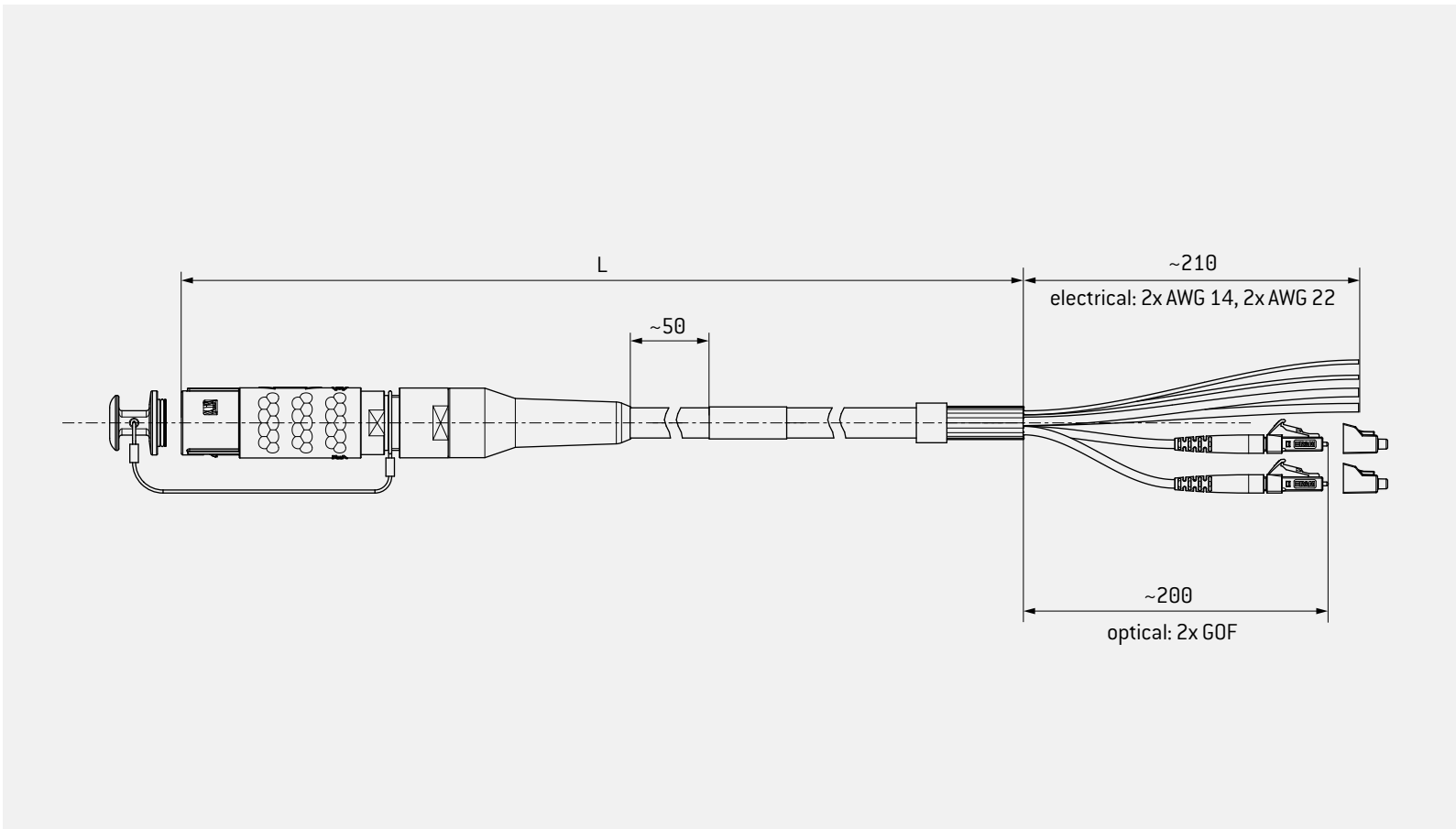
NUMBER KEY:





# PHYSICAL CONTACT

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.







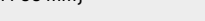
# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

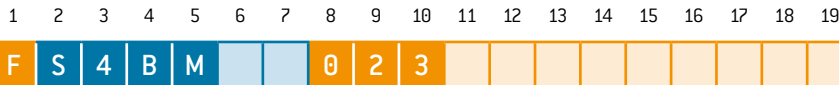
| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| F      | Code E (90°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| S      | PEI black       |
| G      | PEI grey        |

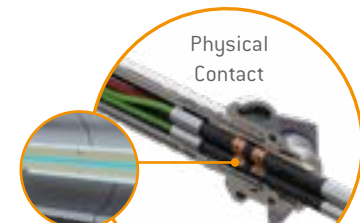
| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| 2       | red                             |
| 3       | white                           |
| 4       | yellow                          |
| 5       | green                           |
| 6       | blue                            |
| 7       | grey                            |
| 8       | black                           |

| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| YB           | Multimode  | LC/PC   |  |
| YA           | Singlemode | LC/PC   |   |
| Y9           | Singlemode | LC/APC  |  |
| Y8           | Multimode  | SC/PC   |   |
| Y7           | Singlemode | SC/PC   |  |
| Y6           | Singlemode | SC/APC  |   |
| Y5           | Multimode  | ST/PC   |  |
| Y4           | Singlemode | ST/PC   |   |
| Y3           | Singlemode | ST/APC  |  |
| Y2           | Multimode  | FC/PC   |   |
| Y1           | Singlemode | FC/PC   |  |
| Y0           | Singlemode | FC/APC  |   |
| XZ           | Multimode  | E2000/PC  |  |
| XY           | Singlemode | E2000/PC  |   |
| XX           | Singlemode | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

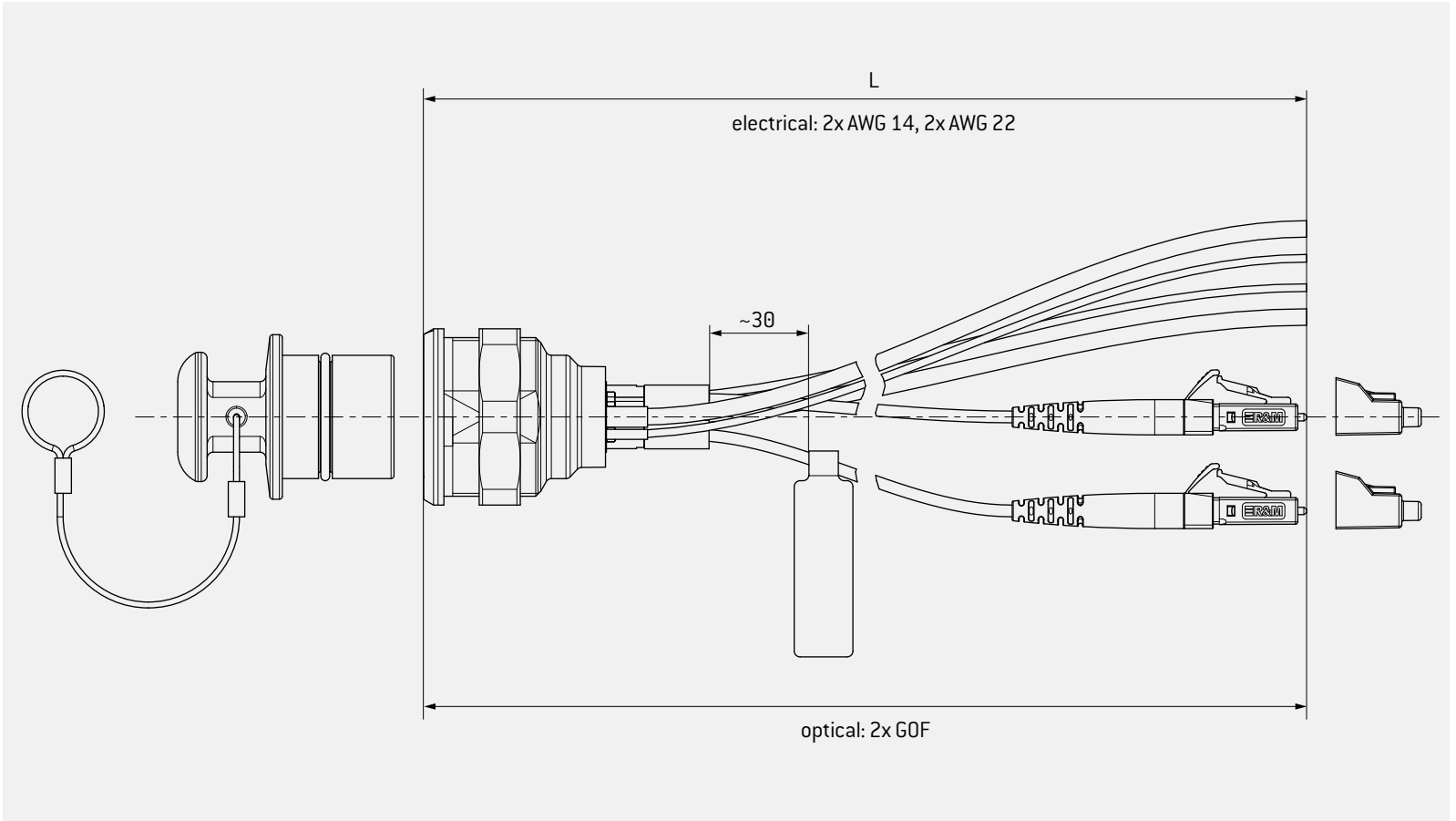


NUMBER KEY:



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY








Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| F      | Code E (90°) |

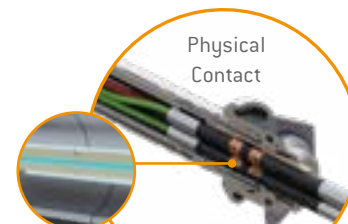
| Pos. 7 | Housing surface |
|--------|-----------------|
| S      | PEI black       |
| G      | PEI grey        |

| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| VV           | Multimode  | LC/PC   |  |
| VU           | Singlemode | LC/PC   |   |
| VT           | Singlemode | LC/APC  |   |
| VS           | Multimode  | SC/PC   |   |
| VR           | Singlemode | SC/PC   |  |
| VQ           | Singlemode | SC/APC  |   |
| VP           | Multimode  | ST/PC   |   |
| VO           | Singlemode | ST/PC   |  |
| VN           | Singlemode | ST/APC  |   |
| VM           | Multimode  | FC/PC   |   |
| VL           | Singlemode | FC/PC   |  |
| VK           | Singlemode | FC/APC  |   |
| VJ           | Multimode  | E2000/PC  |   |
| VI           | Singlemode | E2000/PC  |  |
| VH           | Singlemode | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

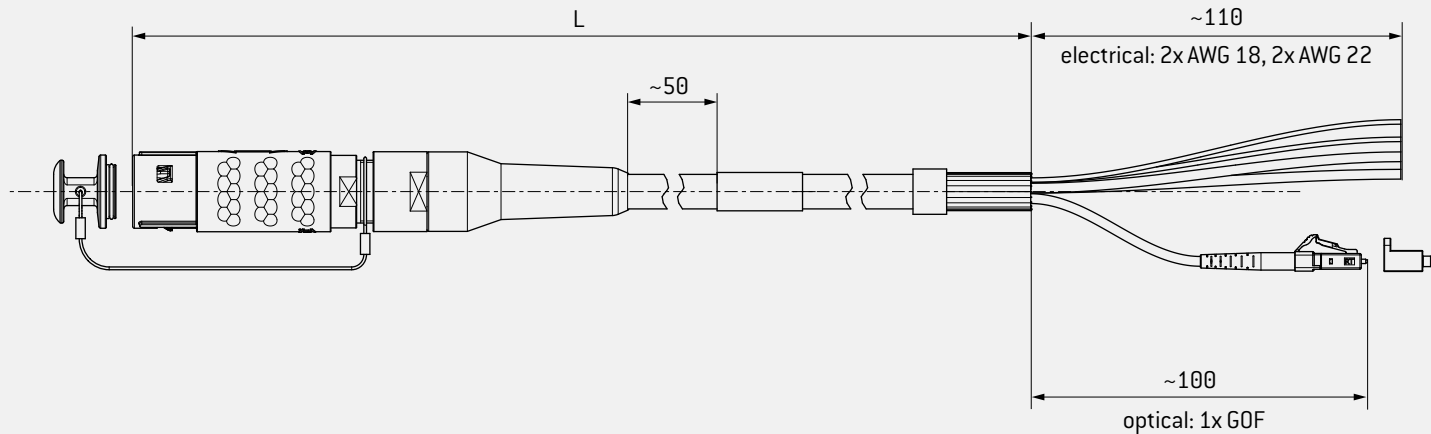


NUMBER KEY:



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.







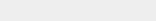
# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR BREAKOUT ASSEMBLY

| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| E      | Code E (80°) |
| F      | Code E (90°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| 7      | PSU grey        |
| 8      | PSU black       |
| 9      | PSU orange      |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| 7       | grey                            |
| 8       | black                           |

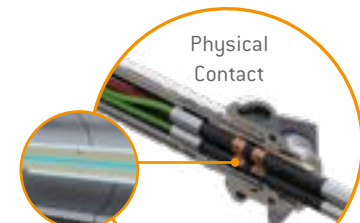
| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| YV           | Multimode  | LC/PC   |  |
| YU           | Singlemode | LC/PC   |   |
| YT           | Singlemode | LC/APC  |  |
| YS           | Multimode  | SC/PC   |   |
| YR           | Singlemode | SC/PC   |  |
| YQ           | Singlemode | SC/APC  |   |
| YP           | Multimode  | ST/PC   |  |
| YO           | Singlemode | ST/PC   |   |
| YN           | Singlemode | ST/APC  |  |
| YM           | Multimode  | FC/PC   |   |
| YL           | Singlemode | FC/PC   |  |
| YK           | Singlemode | FC/APC  |   |
| YJ           | Multimode  | E2000/PC  |  |
| YI           | Singlemode | E2000/PC  |   |
| YH           | Singlemode | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

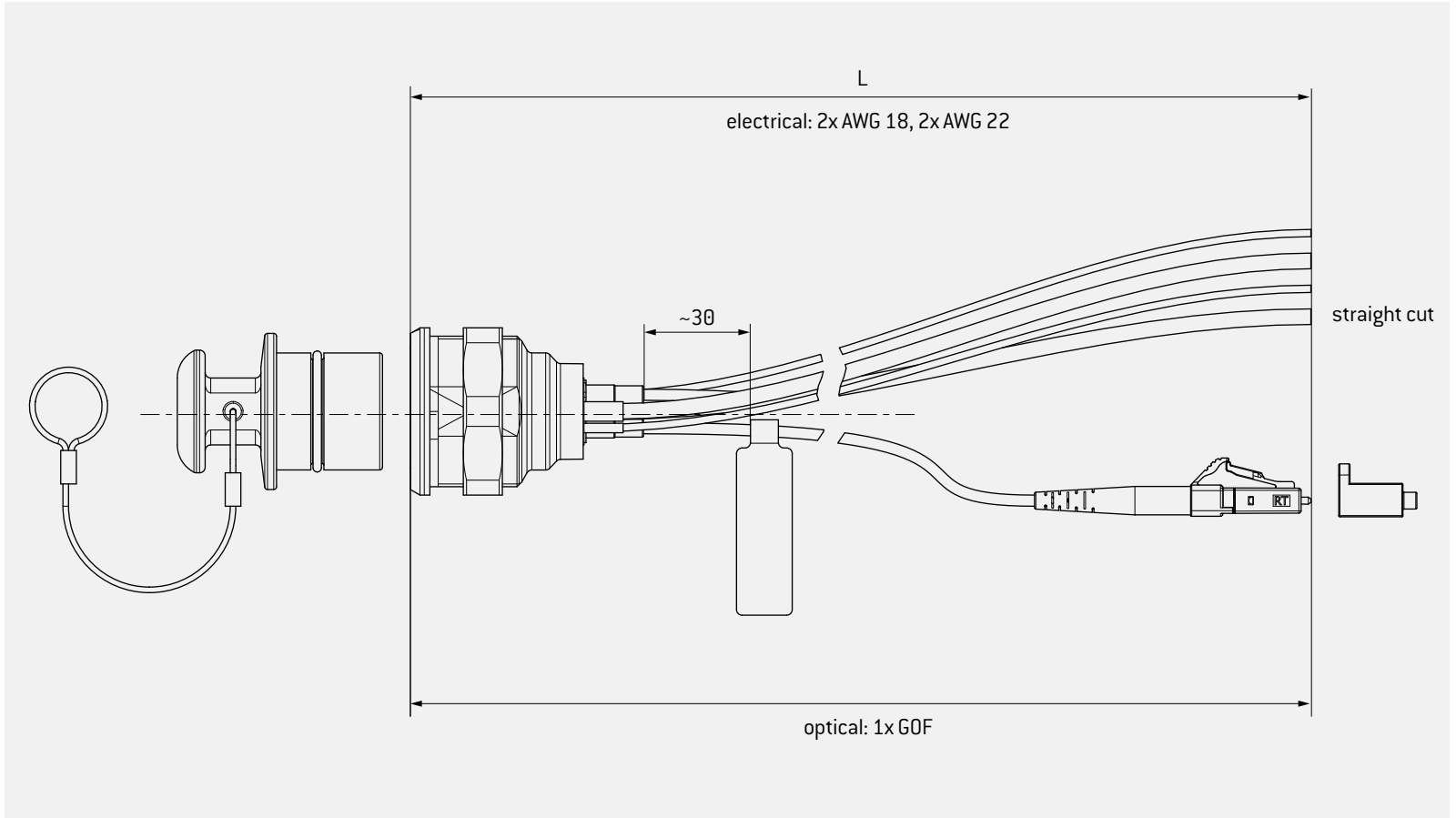
NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 4 | 2 | M |  |  | 0 | 1 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|



# PHYSICAL CONTACT

## HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY









Please see the respective connector catalogue for a detailed connector specification.

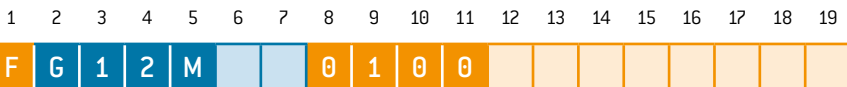
# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| E      | Code E (80°) |
| F      | Code E (90°) |

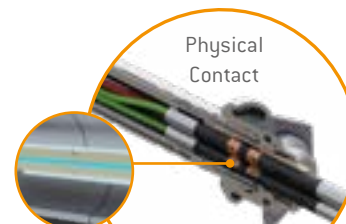
| Pos. 7 | Housing surface |
|--------|-----------------|
| 7      | PSU grey        |
| 8      | PSU black       |
| 9      | PSU orange      |

| Pos. 12 - 13 | Count number |   |   |
|--------------|--------------|---|---|
|              | Mode         | Type and polish of Fiber Optic interface connector (2nd side) |   |
| WF           | Multimode    | LC/PC   |  |
| WE           | Singlemode   | LC/PC   |   |
| WD           | Singlemode   | LC/APC  |  |
| WC           | Multimode    | SC/PC   |   |
| WB           | Singlemode   | SC/PC   |  |
| WA           | Singlemode   | SC/APC  |   |
| W9           | Multimode    | ST/PC   |  |
| W8           | Singlemode   | ST/PC   |   |
| W7           | Singlemode   | ST/APC  |  |
| W6           | Multimode    | FC/PC   |   |
| W5           | Singlemode   | FC/PC   |  |
| W4           | Singlemode   | FC/APC  |   |
| W3           | Multimode    | E2000/PC  |   |
| W2           | Singlemode   | E2000/PC  |   |
| W1           | Singlemode   | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |



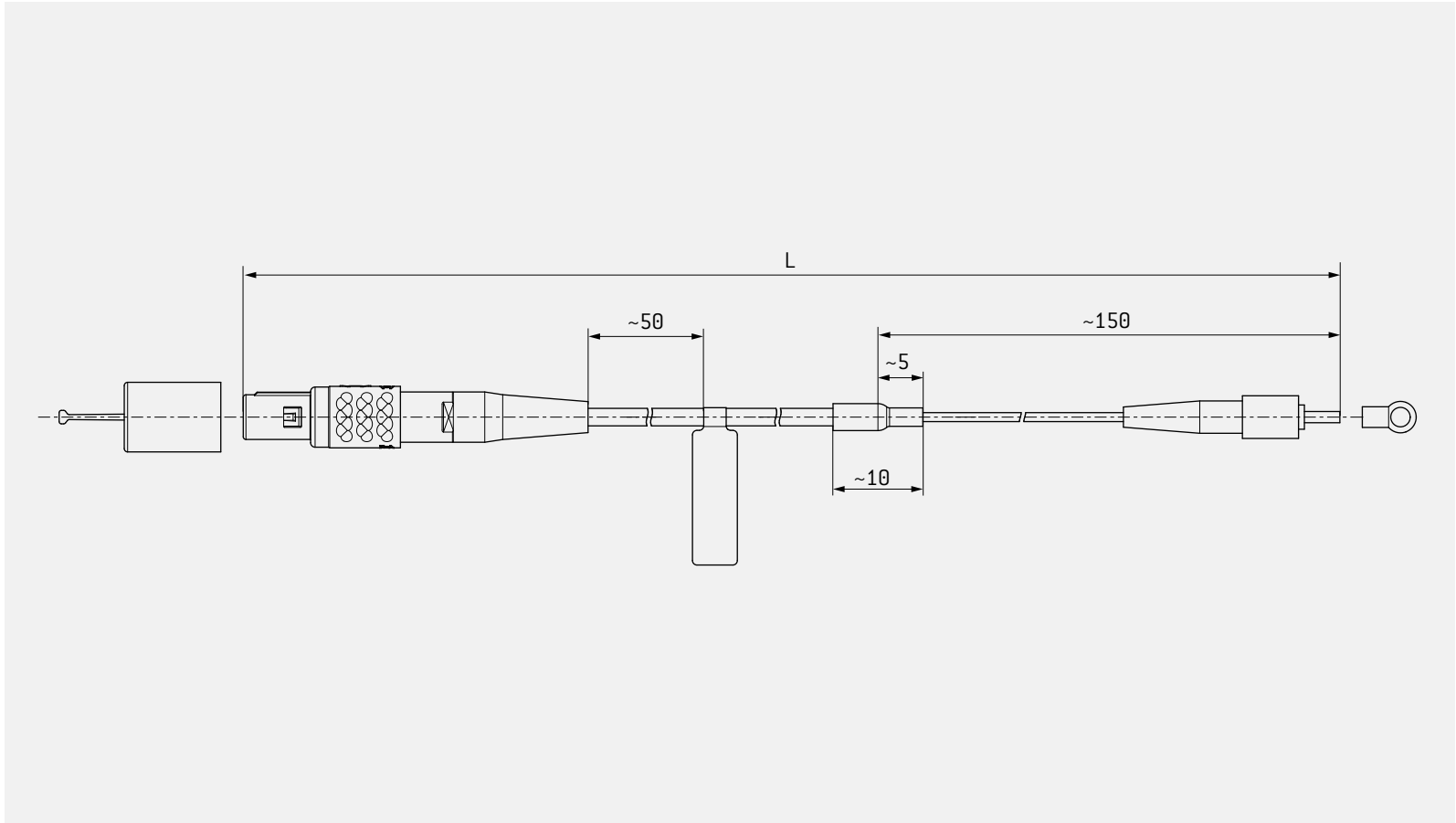
NUMBER KEY:





# POLYMER OPTICAL FIBER (POF)

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.

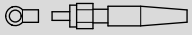

# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| 0      | Code 0 (0°)   |
| A      | Code A (40°)  |
| C      | Code C (60°)  |
| E      | Code E (80°)  |
| H      | Code H (170°) |
| J      | Code J (205°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| 7      | PSU grey        |
| 8      | PSU black       |
| S      | PEI black       |
| 3      | PSU white       |
| G      | PEI grey        |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| 2       | red                             |
| 3       | white                           |
| 4       | yellow                          |
| 5       | green                           |
| 6       | blue                            |
| 7       | grey                            |
| 8       | black                           |

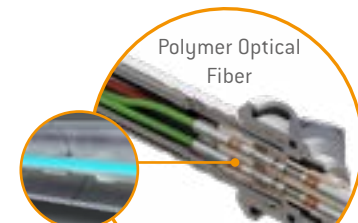
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| XQ           | Multimode | ST/PC   |  |
| XR           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

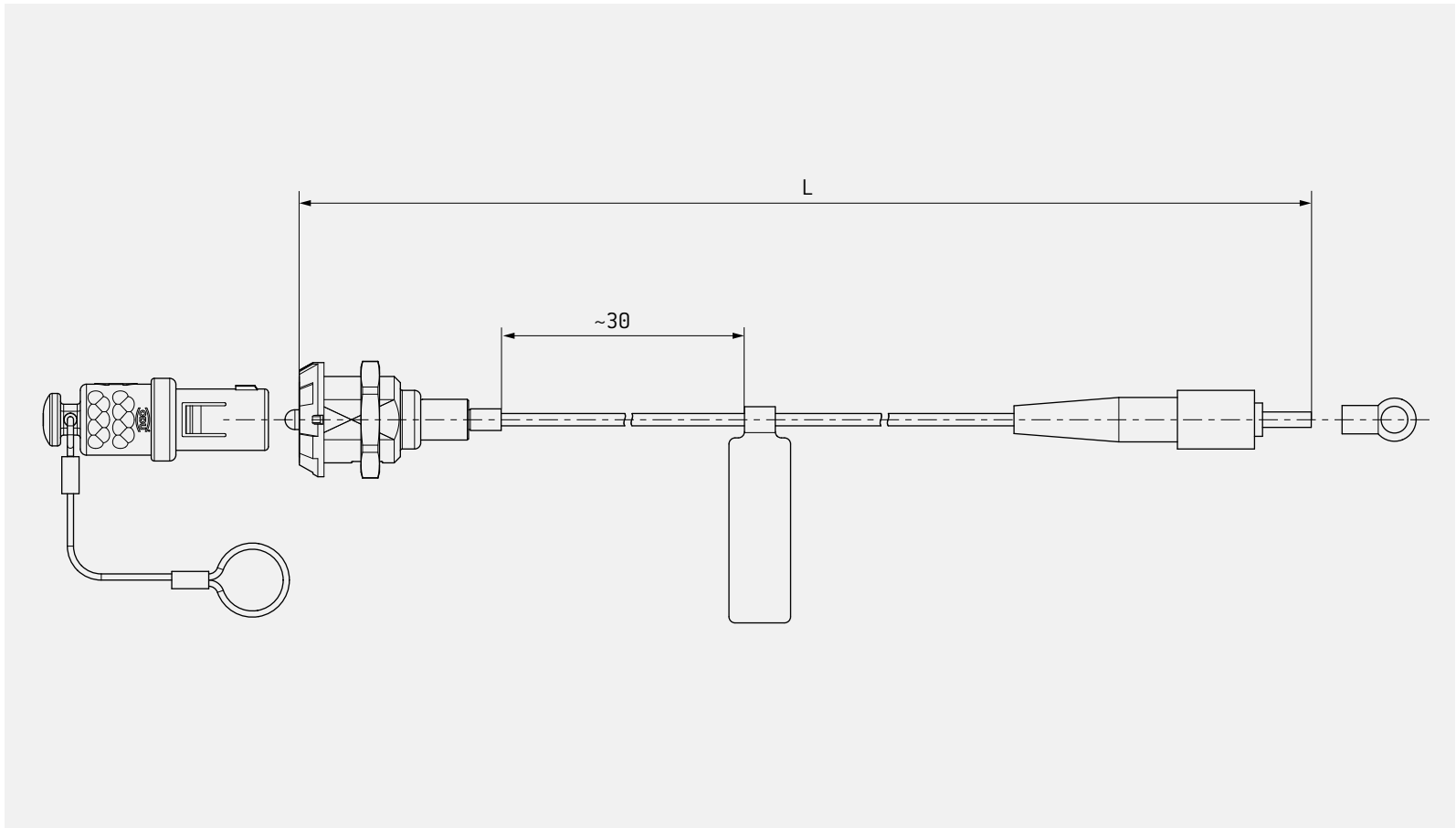
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 2 | 1 | M |  |  | 0 | 1 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|



# POLYMER OPTICAL FIBER (POF) HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY





Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding        |
|--------|---------------|
| 0      | Code 0 (0°)   |
| A      | Code A (40°)  |
| C      | Code C (60°)  |
| E      | Code E (80°)  |
| H      | Code H (170°) |
| J      | Code J (205°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| 7      | PSU grey        |
| 8      | PSU black       |
| S      | PEI black       |
| 3      | PSU white       |
| G      | PEI grey        |

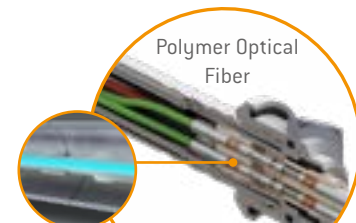
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| VA           | Multimode | ST/PC   |  |
| VB           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |



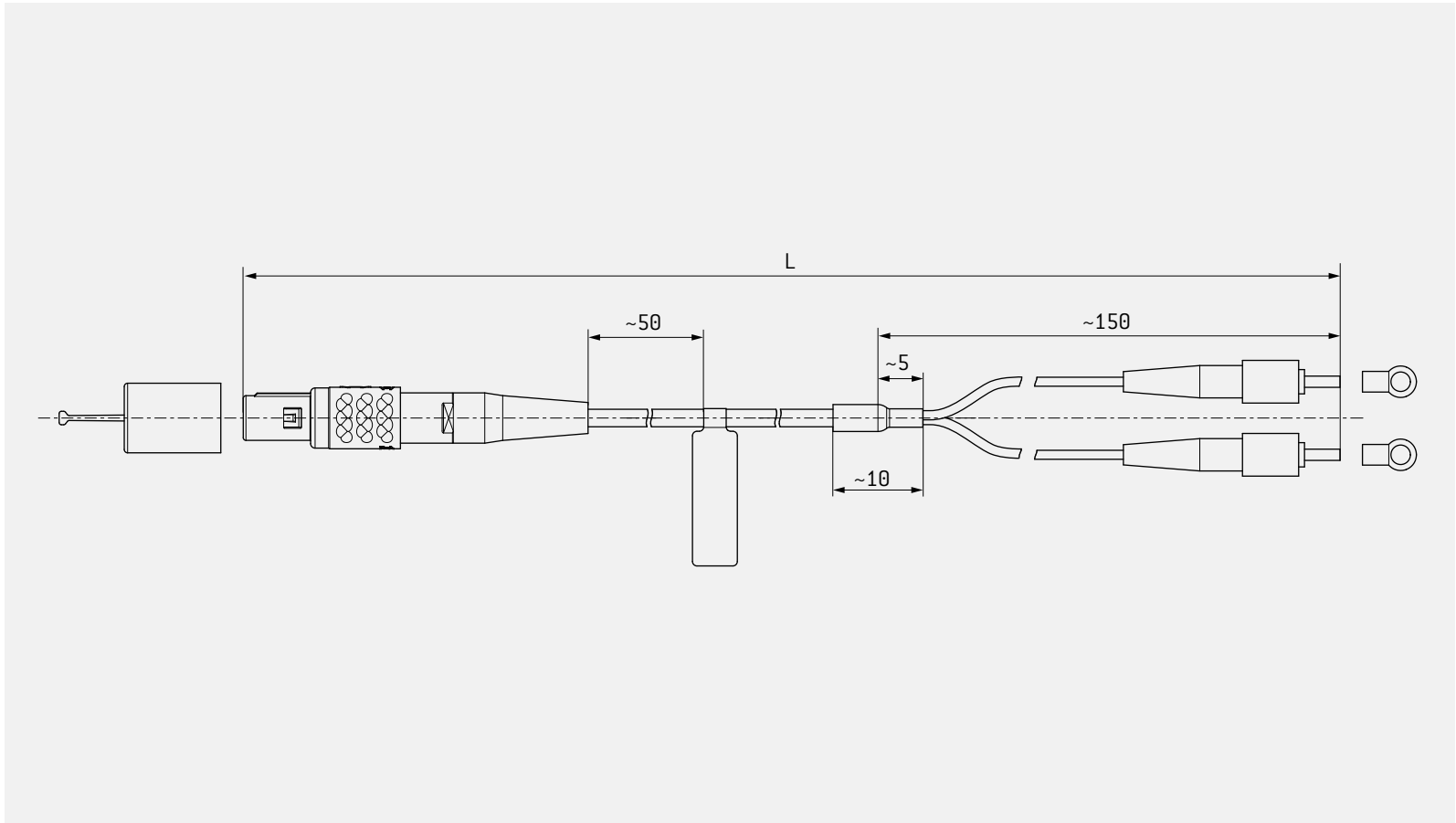
**NUMBER KEY:**

|   |   |   |   |   |  |  |   |   |   |   |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|---|--|--|--|--|--|--|--|--|
| F | G | 1 | 1 | M |  |  | 0 | 1 | 0 | 0 |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|---|--|--|--|--|--|--|--|--|



# POLYMER OPTICAL FIBER (POF)

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.

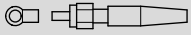

# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY

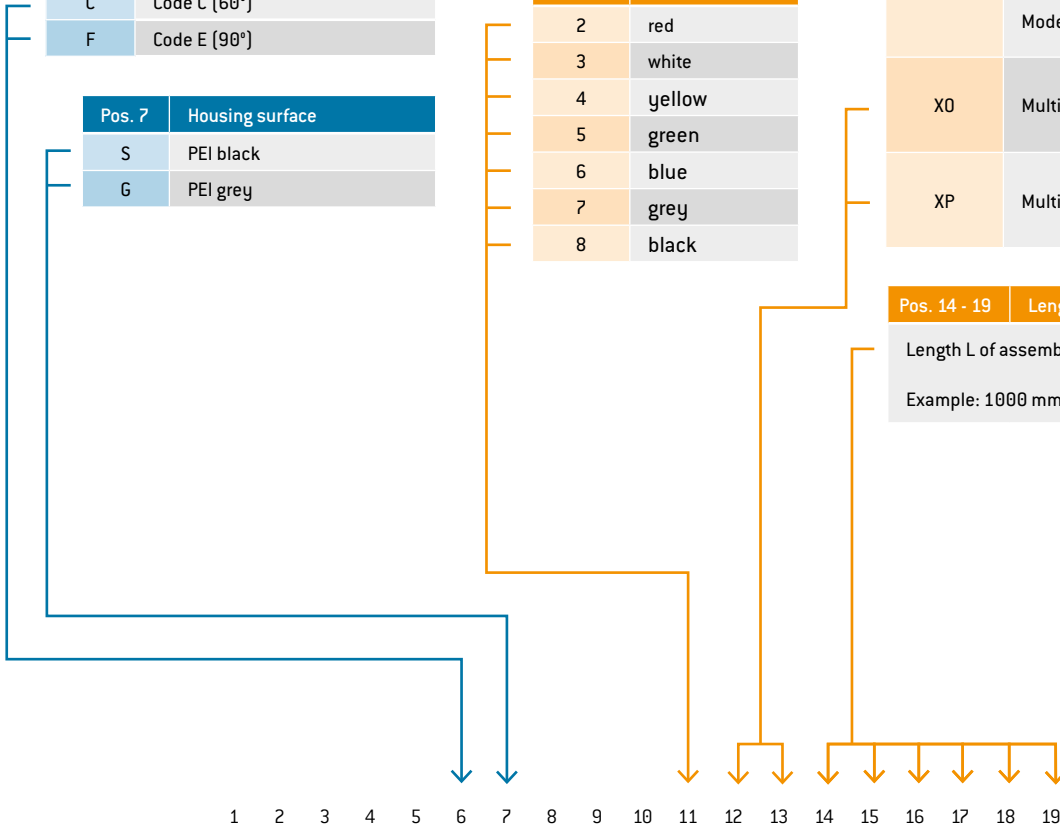
| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| F      | Code E (90°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| S      | PEI black       |
| G      | PEI grey        |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| 2       | red                             |
| 3       | white                           |
| 4       | yellow                          |
| 5       | green                           |
| 6       | blue                            |
| 7       | grey                            |
| 8       | black                           |

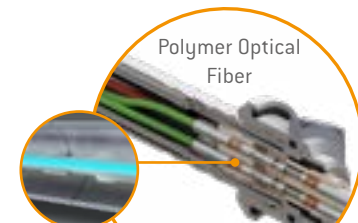
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| X0           | Multimode | ST/PC   |  |
| XP           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |

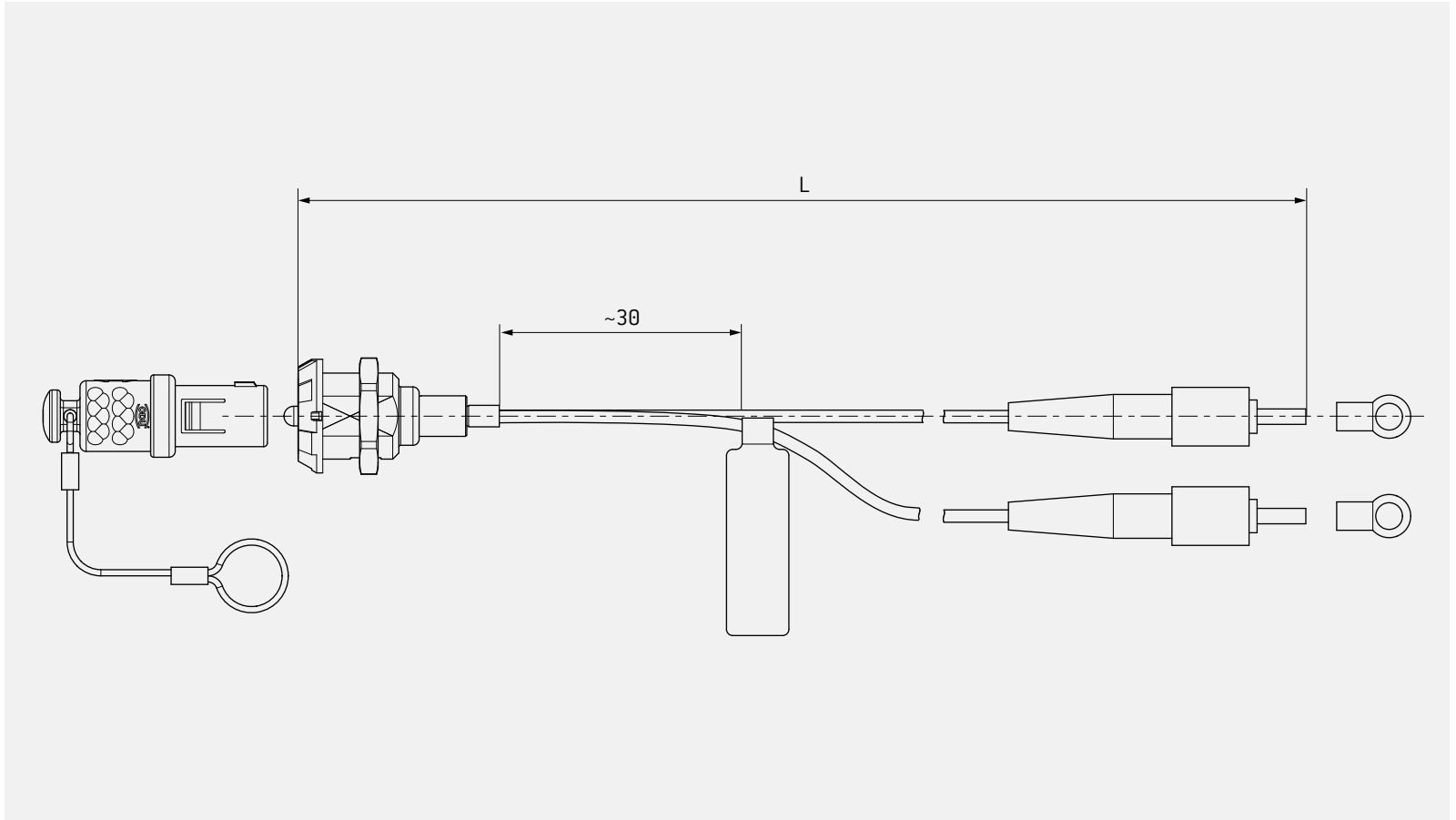


NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 4 | B | M |  |  | 0 | 2 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|



# POLYMER OPTICAL FIBER (POF) HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY





Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| F      | Code E (90°) |

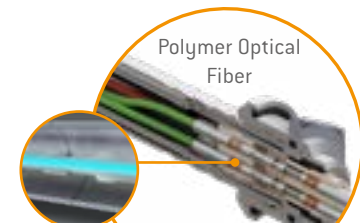
| Pos. 7 | Housing surface |
|--------|-----------------|
| S      | PEI black       |
| G      | PEI grey        |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| V8           | Multimode | ST/PC   |  |
| V9           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |



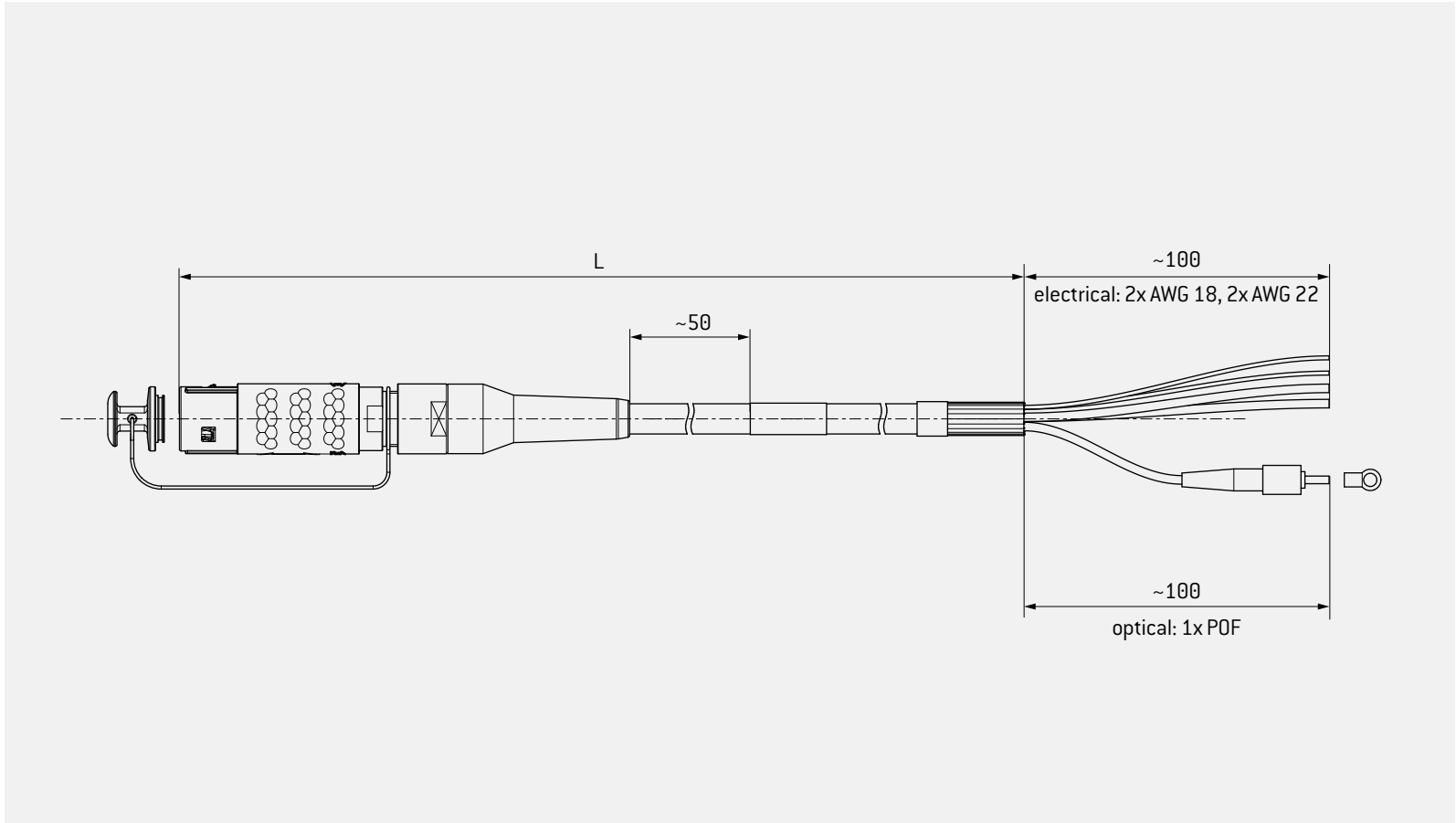
**NUMBER KEY:**





# POLYMER OPTICAL FIBER (POF)

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.


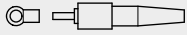
# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY

| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| E      | Code E (80°) |
| F      | Code E (90°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| 7      | PSU grey        |
| 8      | PSU black       |
| 9      | PSU orange      |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| 7       | grey                            |
| 8       | black                           |

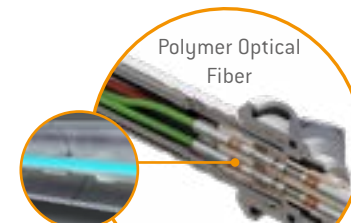
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| XM           | Multimode | ST/PC   |  |
| XN           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |

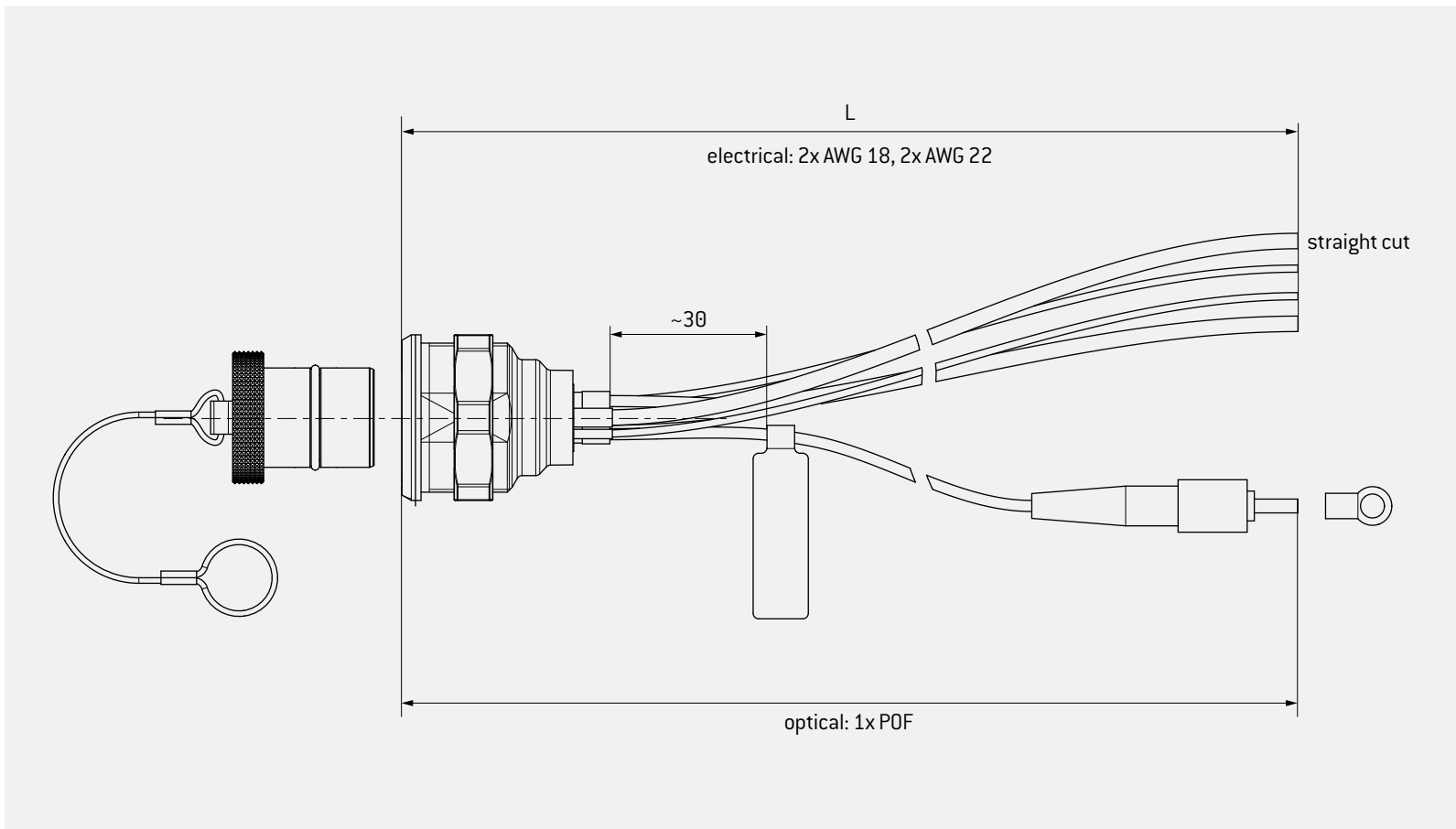
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 4 | 2 | M |  |  | 0 | 1 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|



# POLYMER OPTICAL FIBER (POF) HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY





Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| E      | Code E (80°) |
| F      | Code E (90°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| 7      | PSU grey        |
| 8      | PSU black       |
| 9      | PSU orange      |

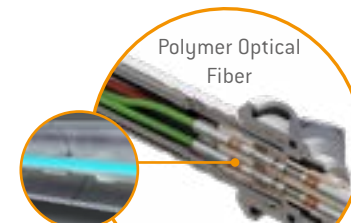
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| V6           | Multimode | ST/PC   |  |
| V7           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

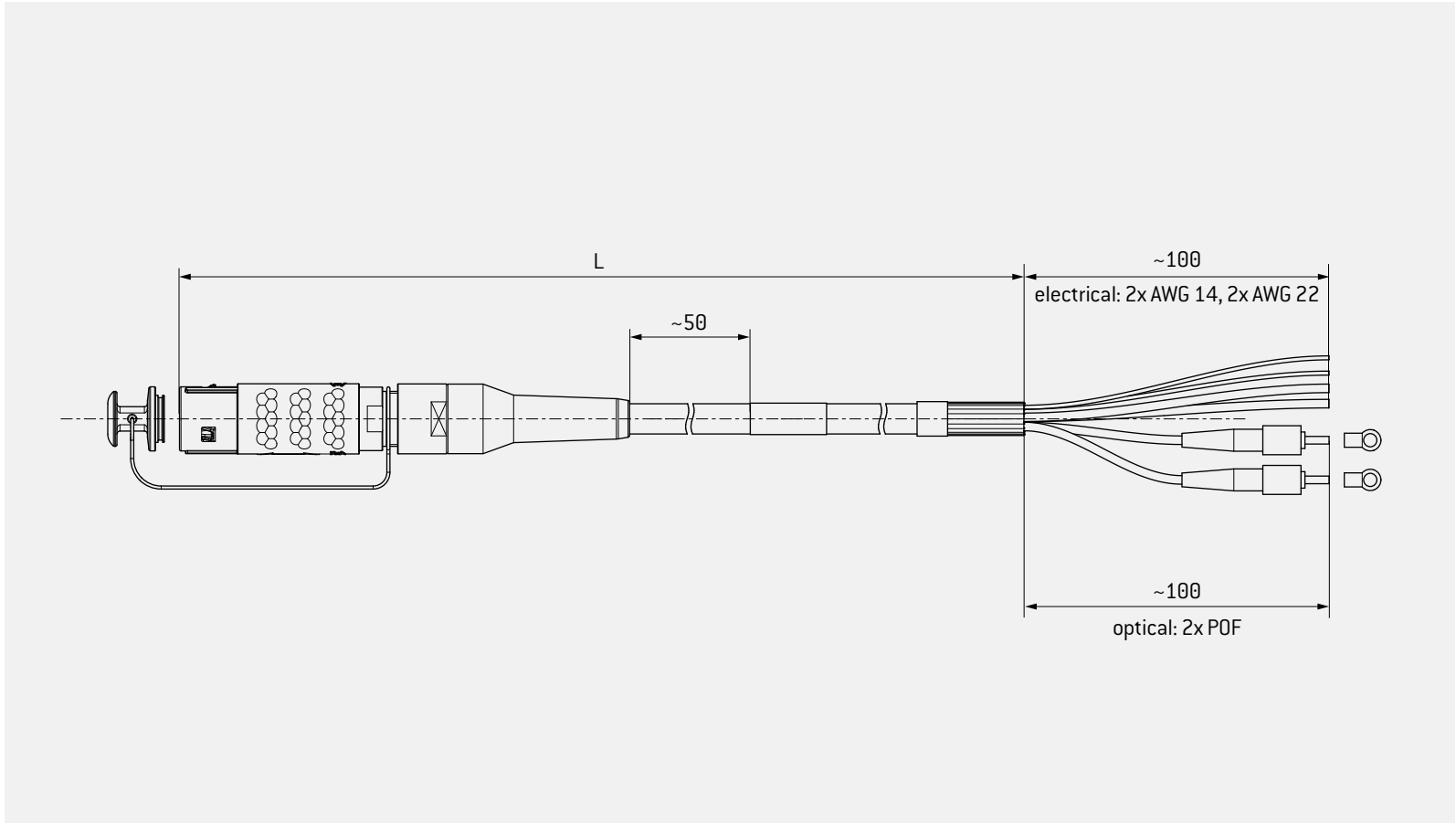
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

**NUMBER KEY:**

|   |   |   |   |   |  |  |   |   |   |   |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|---|--|--|--|--|--|--|--|--|
| F | G | 1 | 2 | M |  |  | 0 | 1 | 0 | 0 |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|---|--|--|--|--|--|--|--|--|



# POLYMER OPTICAL FIBER (POF) HARSH ENVIRONMENT / CONNECTOR ASSEMBLY



Please see the respective connector catalogue for a detailed connector specification.

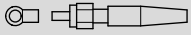

# PART NUMBER KEY

## HARSH ENVIRONMENT / CONNECTOR ASSEMBLY

| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| F      | Code E (90°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| S      | PEI black       |
| G      | PEI grey        |

| Pos. 11 | Color bend relief ODU connector |
|---------|---------------------------------|
| 2       | red                             |
| 3       | white                           |
| 4       | yellow                          |
| 5       | green                           |
| 6       | blue                            |
| 7       | grey                            |
| 8       | black                           |

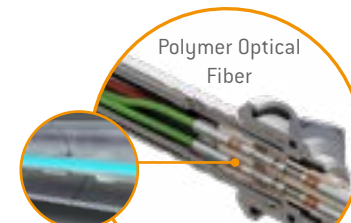
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| XK           | Multimode | ST/PC   |  |
| XL           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |

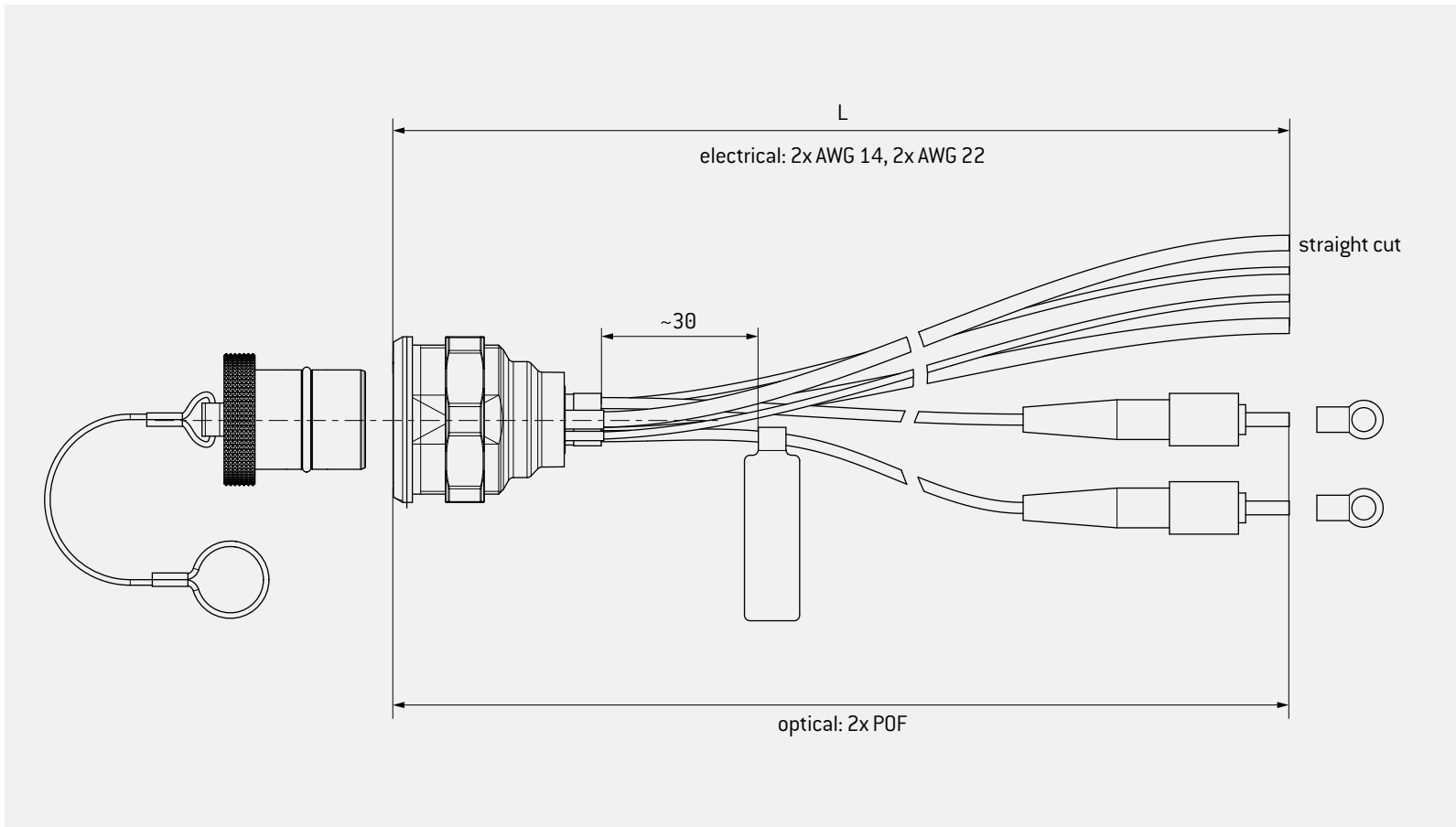
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

NUMBER KEY:

|   |   |   |   |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|
| F | S | 4 | B | M |  |  | 0 | 2 | 3 |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|



# POLYMER OPTICAL FIBER (POF) HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY





Please see the respective connector catalogue for a detailed connector specification.

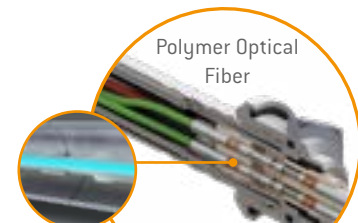
# PART NUMBER KEY HARSH ENVIRONMENT / RECEPTACLE ASSEMBLY

| Pos. 6 | Coding       |
|--------|--------------|
| C      | Code C (60°) |
| F      | Code E (90°) |

| Pos. 7 | Housing surface |
|--------|-----------------|
| S      | PEI black       |
| G      | PEI grey        |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| V4           | Multimode | ST/PC   |  |
| V5           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |







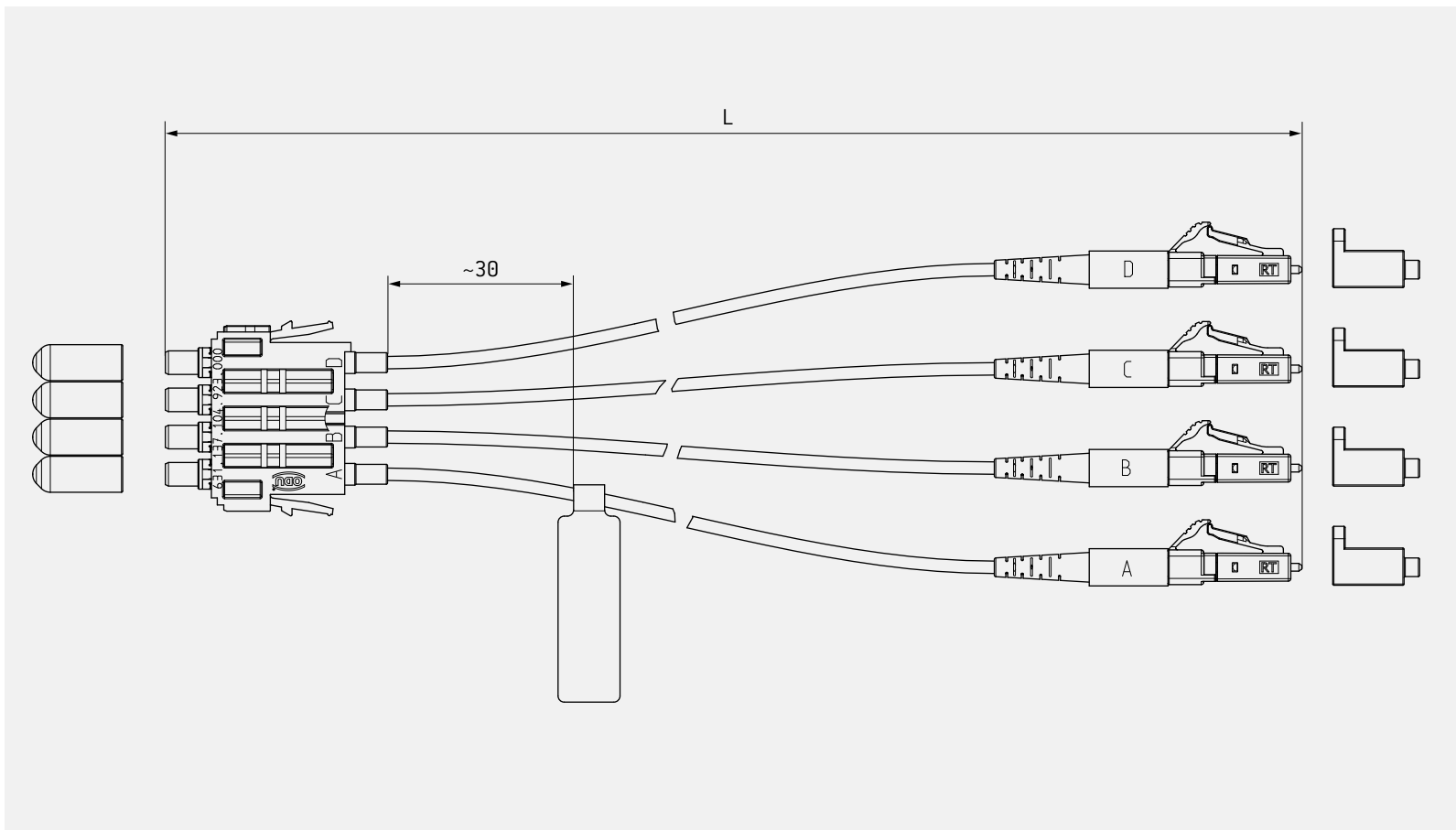


# ODU MAC<sup>®</sup>

|                                   |            |
|-----------------------------------|------------|
| Expanded Beam .....               | <u>186</u> |
| Physical Contact .....            | <u>194</u> |
| Polymer Optical Fiber (POF) ..... | <u>202</u> |

# EXPANDED BEAM

## EXPANDED BEAM MODULE ASSEMBLY – PIN








Please see the respective connector catalogue for a detailed connector specification.

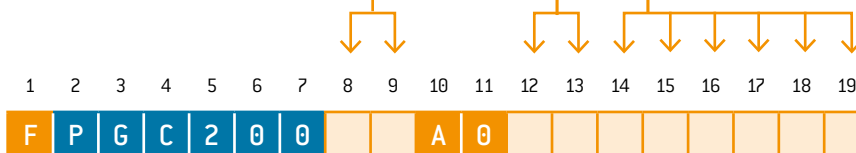
# PART NUMBER KEY

## EXPANDED BEAM MODULE ASSEMBLY – PIN

| Pos. 8 - 9  | Number of terminated FO-channels |
|---|----------------------------------|
| Quantity of terminated Fiber Optic-channels and Fiber Optic-plugs |                                  |
| Example: 4 terminated Fiber Optic-channels = 04                   |                                  |

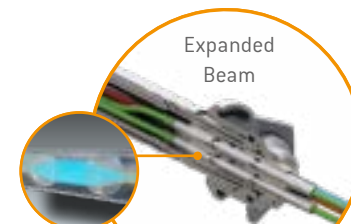
| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZK           | Multimode | LC/PC   |  |
| ZJ           | Multimode | SC/PC   |  |
| ZI           | Multimode | ST/PC   |  |
| ZH           | Multimode | FC/PC   |  |
| ZG           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |



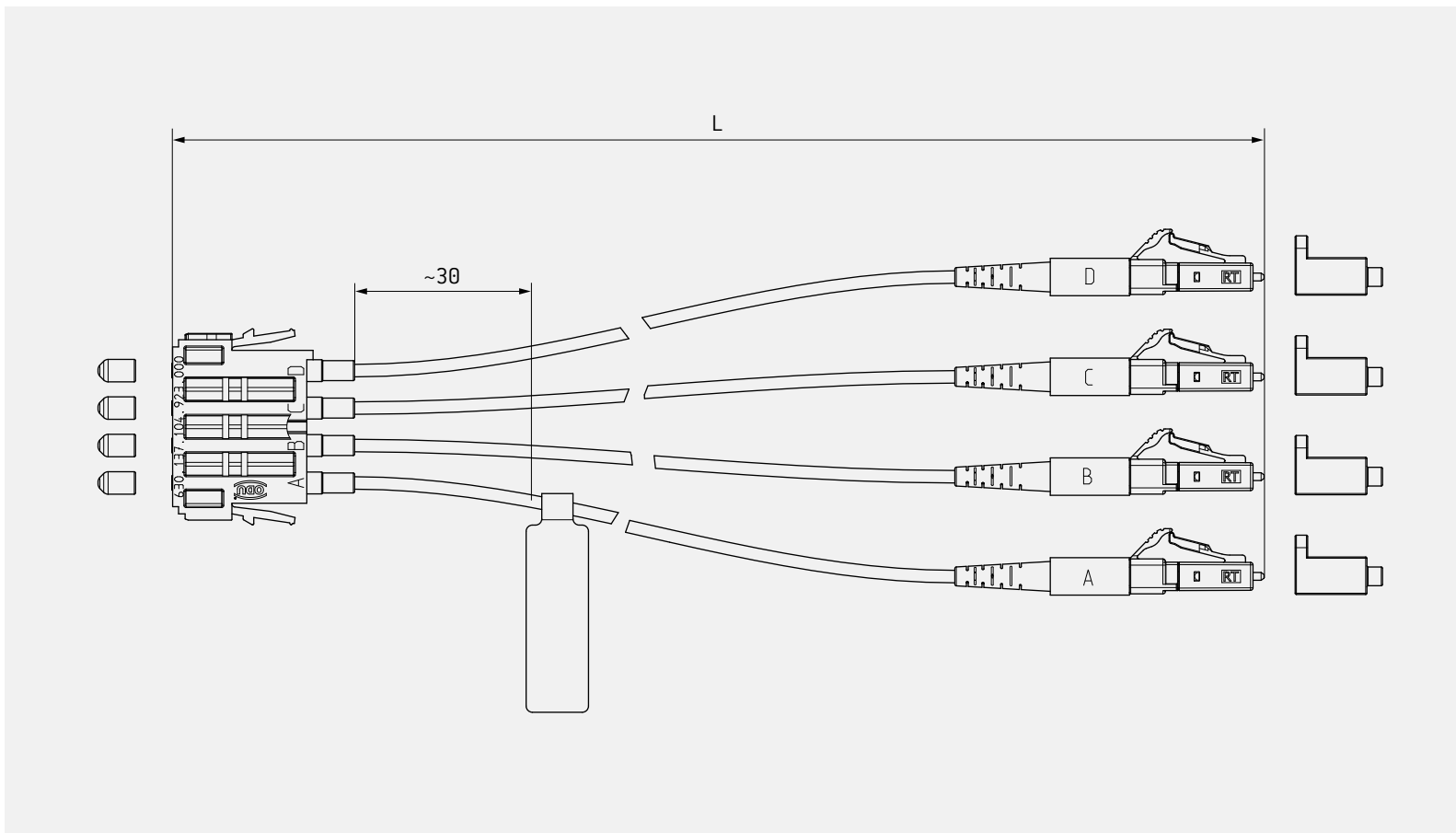
NUMBER KEY:

|   |   |   |   |   |   |   |  |  |   |   |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|--|--|---|---|--|--|--|--|--|--|--|--|
| F | P | G | C | 2 | 0 | 0 |  |  | A | 0 |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|--|--|---|---|--|--|--|--|--|--|--|--|



# EXPANDED BEAM

## EXPANDED BEAM MODULE ASSEMBLY – SOCKET








Please see the respective connector catalogue for a detailed connector specification.

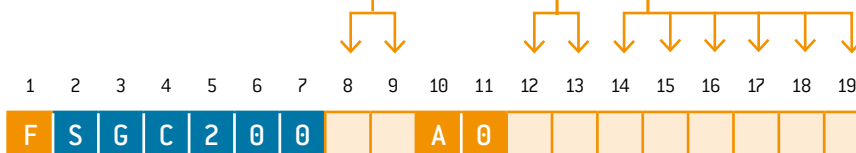
# PART NUMBER KEY

## EXPANDED BEAM MODULE ASSEMBLY – SOCKET

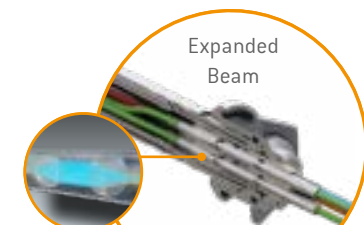
| Pos. 8 - 9  | Number of terminated FO-channels |
|---|----------------------------------|
| Quantity of terminated Fiber Optic-channels and Fiber Optic-plugs |                                  |
| Example: 4 terminated Fiber Optic-channels = 04                   |                                  |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZK           | Multimode | LC/PC   |  |
| ZJ           | Multimode | SC/PC   |  |
| ZI           | Multimode | ST/PC   |  |
| ZH           | Multimode | FC/PC   |  |
| ZG           | Multimode | E2000/PC  |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

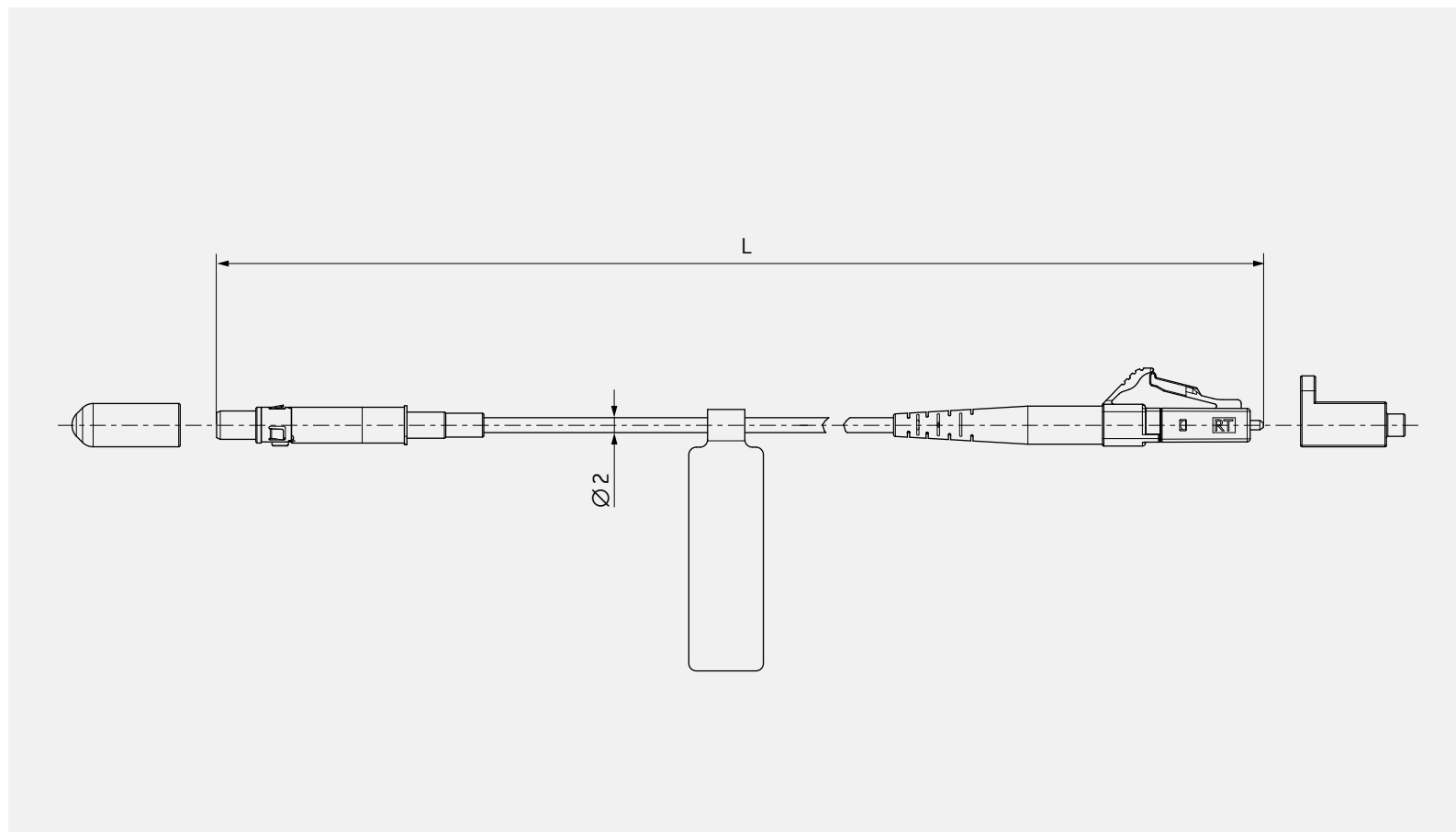


NUMBER KEY:



# EXPANDED BEAM






## EXPANDED BEAM CONTACT ASSEMBLY – PIN



Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

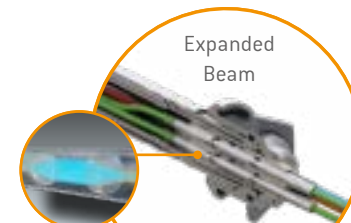
## EXPANDED BEAM CONTACT ASSEMBLY – PIN

| Pos. 12 - 13 | Count number |   |   |
|--------------|--------------|---|---|
|              | Mode         | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZK           | Multimode    | LC/PC   |  |
| ZJ           | Multimode    | SC/PC   |  |
| ZI           | Multimode    | ST/PC   |  |
| ZH           | Multimode    | FC/PC   |  |
| ZG           | Multimode    | E2000/PC  |  |

| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |

**NUMBER KEY:**

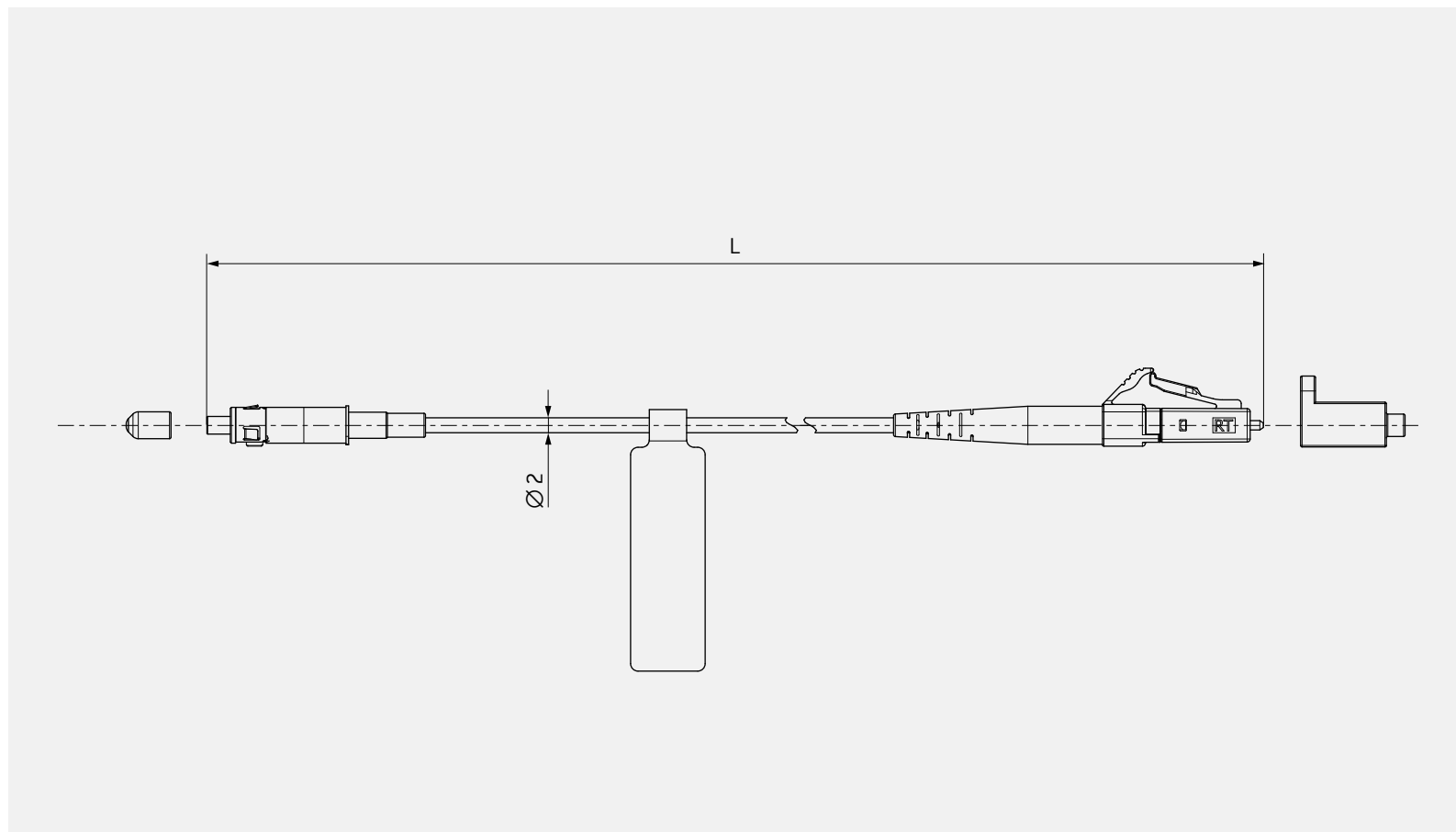
|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| F | F | 0 | E | 5 | 0 | 0 | 0 | 1 | G  | P  |    |    |    |    |    |    |    |    |





# EXPANDED BEAM






## EXPANDED BEAM CONTACT ASSEMBLY – SOCKET



Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

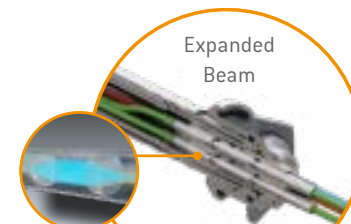
## EXPANDED BEAM CONTACT ASSEMBLY – SOCKET

| Pos. 12 - 13 | Count number |   |   |
|--------------|--------------|---|---|
|              | Mode         | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZK           | Multimode    | LC/PC   |  |
| ZJ           | Multimode    | SC/PC   |  |
| ZI           | Multimode    | ST/PC   |  |
| ZH           | Multimode    | FC/PC   |  |
| ZG           | Multimode    | E2000/PC  |  |

| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |

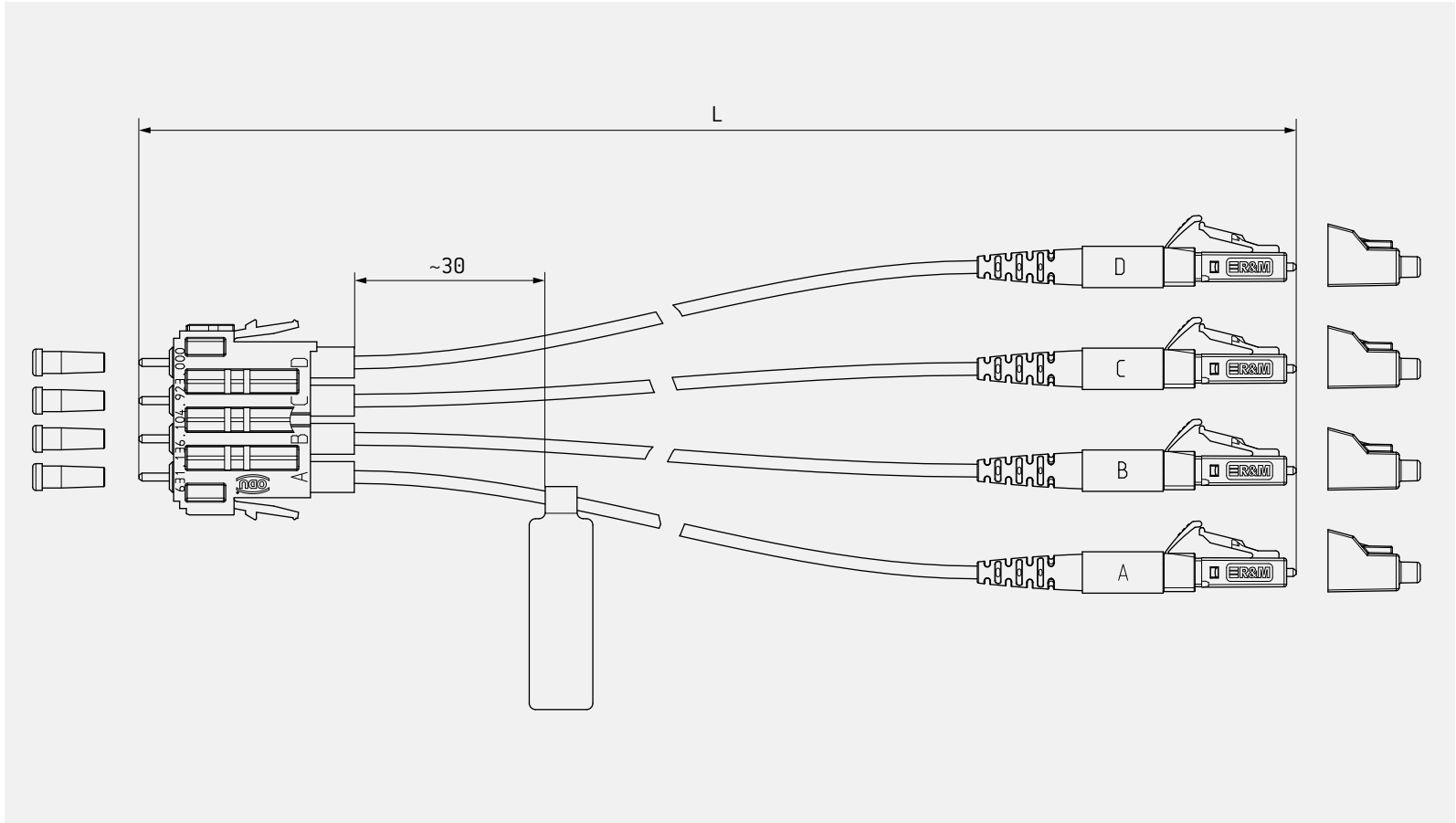
**NUMBER KEY:**

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| F | M | 0 | E | 5 | 0 | 0 | 0 | 1 | G  | P  |    |    |    |    |    |    |    |    |



# PHYSICAL CONTACT

## PHYSICAL CONTACT MODULE ASSEMBLY – PIN





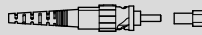
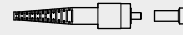


Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY PHYSICAL CONTACT MODULE ASSEMBLY – PIN

**Pos. 8 - 9** | **Number of terminated FO-channels**

Quantity of terminated Fiber Optic-channels and Fiber Optic-plugs

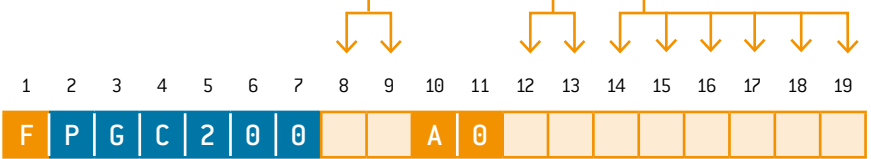
Example: 4 terminated Fiber Optic-channels = 04

| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZZ           | Multimode  | LC/PC   |  |
| ZY           | Singlemode | LC/PC   |   |
| ZX           | Singlemode | LC/APC  |  |
| ZW           | Multimode  | SC/PC   |   |
| ZV           | Singlemode | SC/PC   |  |
| ZU           | Singlemode | SC/APC  |   |
| ZT           | Multimode  | ST/PC   |  |
| ZS           | Singlemode | ST/PC   |   |
| ZR           | Singlemode | ST/APC  |  |
| ZQ           | Multimode  | FC/PC   |   |
| ZP           | Singlemode | FC/PC   |  |
| ZO           | Singlemode | FC/APC  |   |
| ZN           | Multimode  | E2000/PC  |   |
| ZM           | Singlemode | E2000/PC  |   |
| ZL           | Singlemode | E2000/APC   |   |

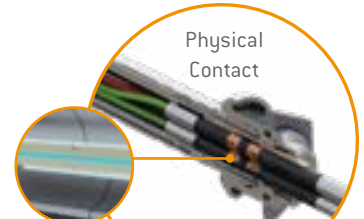
**Pos. 14 - 19** | **Length**

Length L of assembly in mm (minimum cable length 700 mm)

Example: 1000 mm = 001000

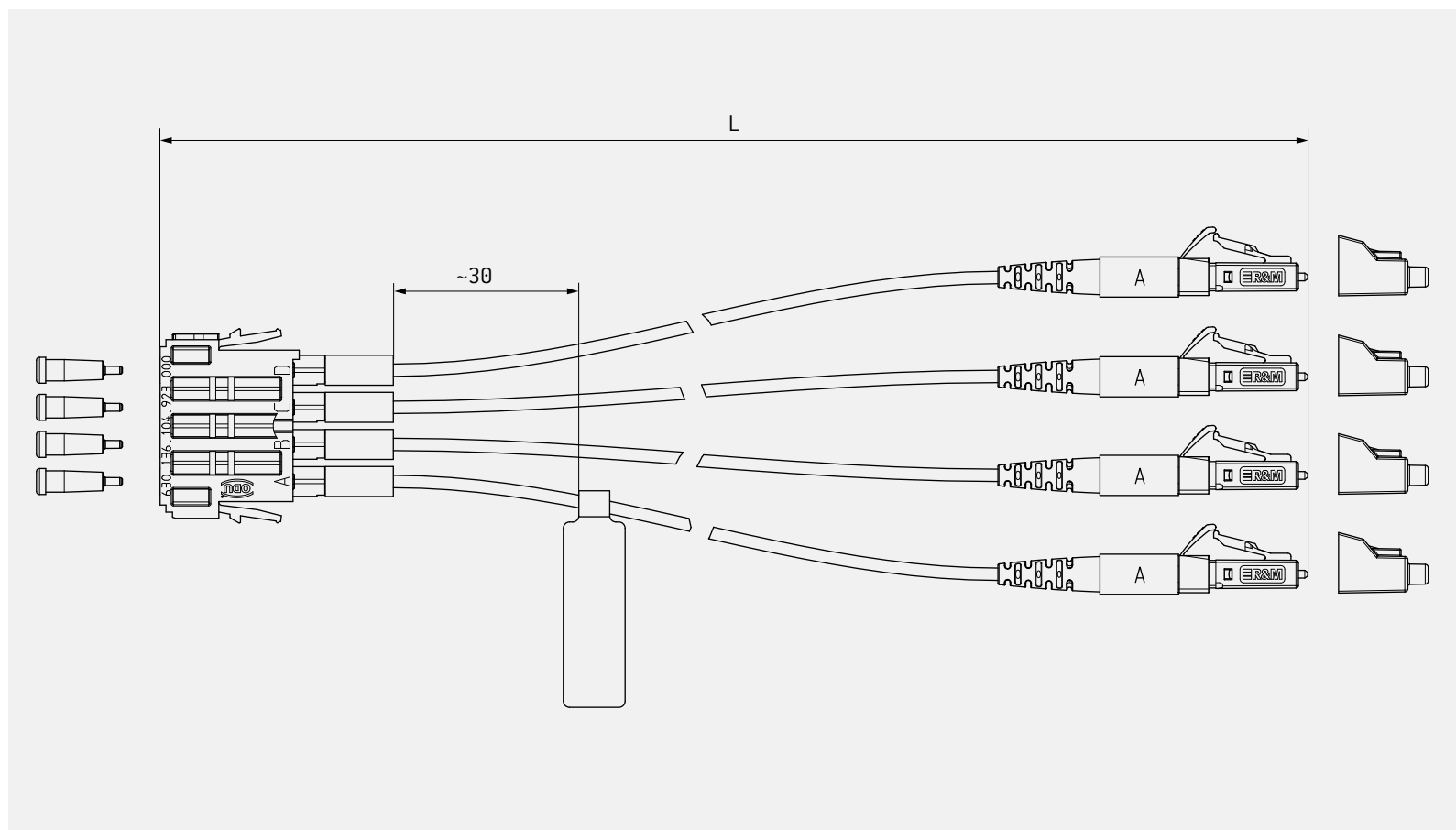


**NUMBER KEY:**



# PHYSICAL CONTACT

## PHYSICAL CONTACT MODULE ASSEMBLY – SOCKET







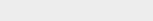


Please see the respective connector catalogue for a detailed connector specification.

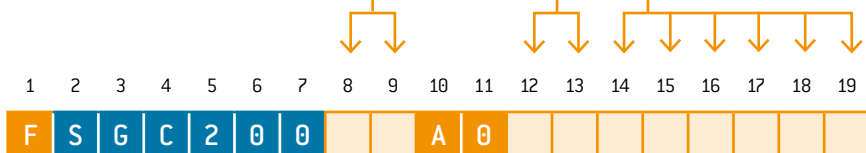
# PART NUMBER KEY

## PHYSICAL CONTACT MODULE ASSEMBLY – SOCKET

| Pos. 8 - 9  | Number of terminated FO-channels |
|---|----------------------------------|
| Quantity of terminated Fiber Optic-channels and Fiber Optic-plugs |                                  |
| Example: 4 terminated Fiber Optic-channels = 04                   |                                  |

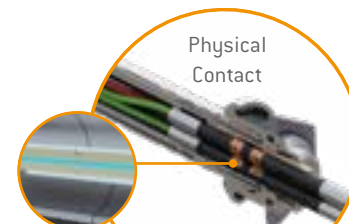
| Pos. 12 - 13 |            | Count number  |   |
|--------------|------------|---|---|
|              | Mode       | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZZ           | Multimode  | LC/PC   |  |
| ZY           | Singlemode | LC/PC   |   |
| ZX           | Singlemode | LC/APC  |  |
| ZW           | Multimode  | SC/PC   |   |
| ZV           | Singlemode | SC/PC   |  |
| ZU           | Singlemode | SC/APC  |   |
| ZT           | Multimode  | ST/PC   |  |
| ZS           | Singlemode | ST/PC   |   |
| ZR           | Singlemode | ST/APC  |  |
| ZQ           | Multimode  | FC/PC   |   |
| ZP           | Singlemode | FC/PC   |  |
| ZO           | Singlemode | FC/APC  |   |
| ZN           | Multimode  | E2000/PC  |  |
| ZM           | Singlemode | E2000/PC  |   |
| ZL           | Singlemode | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |



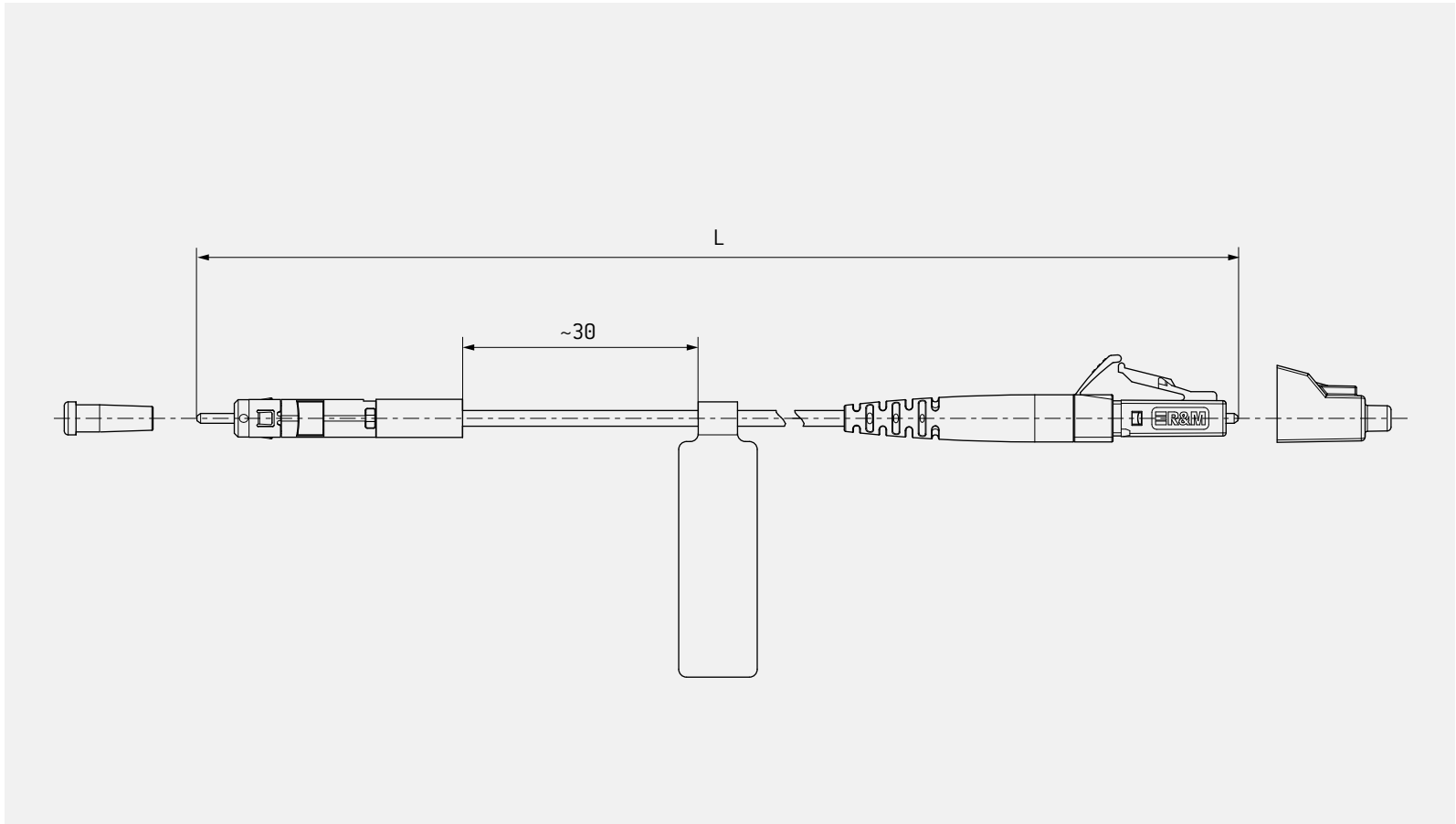
NUMBER KEY:

|   |   |   |   |   |   |   |  |  |   |   |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|--|--|---|---|--|--|--|--|--|--|--|--|
| F | S | G | C | 2 | 0 | 0 |  |  | A | 0 |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|--|--|---|---|--|--|--|--|--|--|--|--|



# PHYSICAL CONTACT

## PHYSICAL CONTACT ASSEMBLY – PIN








Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

## PHYSICAL CONTACT ASSEMBLY – PIN

| Pos. 5 - 7 | Mode       |
|------------|------------|
| 500        | Multimode  |
| 090        | Singlemode |

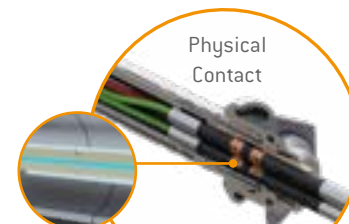
| Pos. 12 - 13 | Count number |   |   |
|--------------|--------------|---|---|
|              | Mode         | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZZ           | Multimode    | LC/PC   |  |
| ZY           | Singlemode   | LC/PC   |   |
| ZX           | Singlemode   | LC/APC  |   |
| ZW           | Multimode    | SC/PC   |  |
| ZV           | Singlemode   | SC/PC   |   |
| ZU           | Singlemode   | SC/APC  |   |
| ZT           | Multimode    | ST/PC   |  |
| ZS           | Singlemode   | ST/PC   |   |
| ZR           | Singlemode   | ST/APC  |   |
| ZQ           | Multimode    | FC/PC   |  |
| ZP           | Singlemode   | FC/PC   |   |
| ZO           | Singlemode   | FC/APC  |   |
| ZN           | Multimode    | E2000/PC  |  |
| ZM           | Singlemode   | E2000/PC  |   |
| ZL           | Singlemode   | E2000/APC   |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

NUMBER KEY:

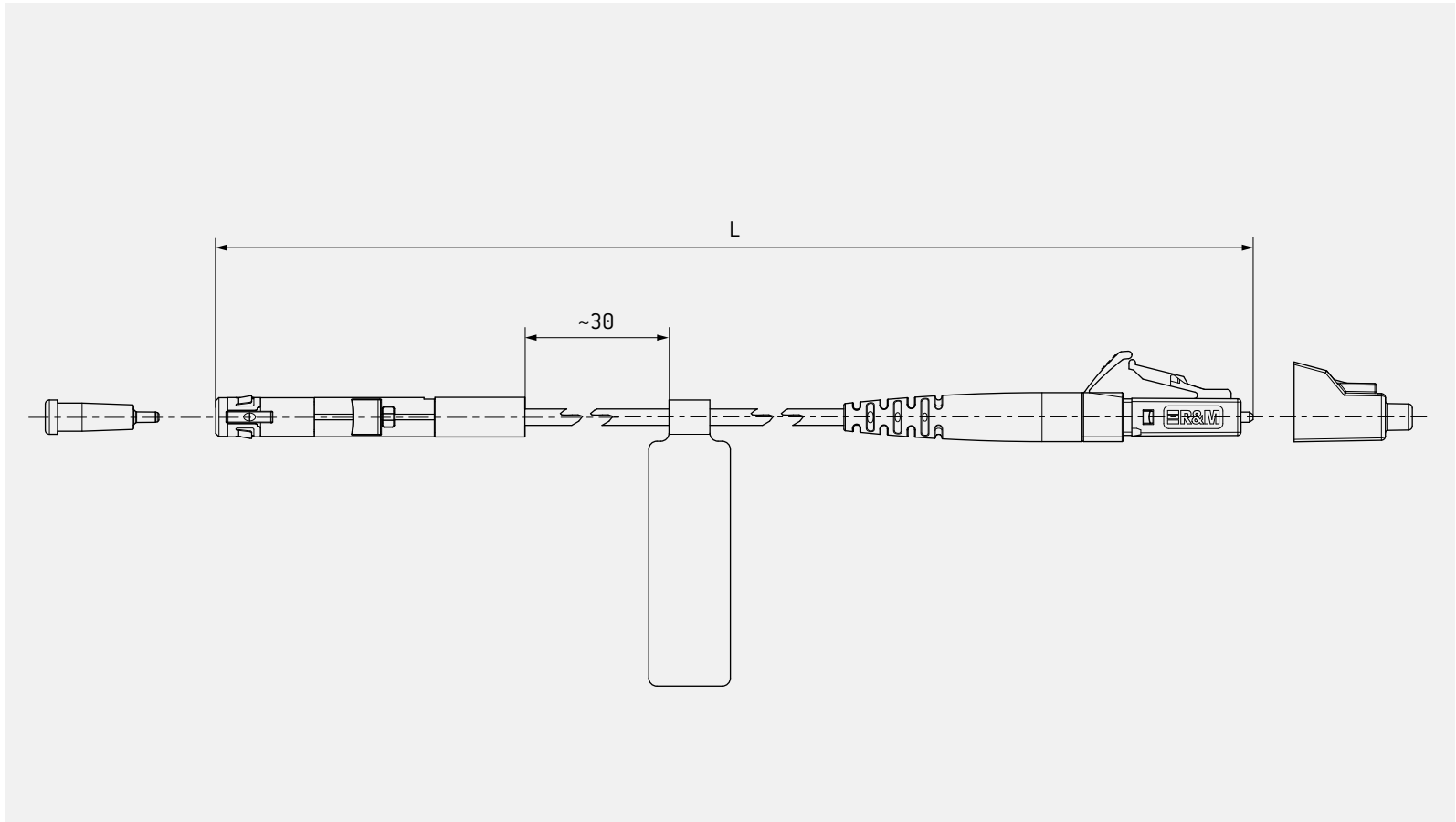
|   |   |   |   |  |  |  |   |   |   |   |  |  |  |  |  |  |  |  |
|---|---|---|---|--|--|--|---|---|---|---|--|--|--|--|--|--|--|--|
| F | M | O | P |  |  |  | 0 | 1 | G | P |  |  |  |  |  |  |  |  |
|---|---|---|---|--|--|--|---|---|---|---|--|--|--|--|--|--|--|--|





# PHYSICAL CONTACT

## PHYSICAL CONTACT ASSEMBLY – SOCKET









Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

## PHYSICAL CONTACT ASSEMBLY – SOCKET

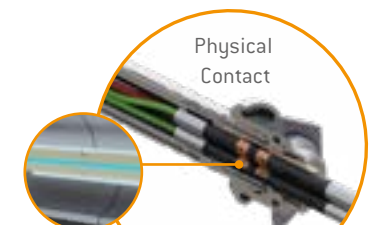
| Pos. 5 - 7 | Mode       |
|------------|------------|
| 500        | Multimode  |
| 090        | Singlemode |

| Pos. 12 - 13 | Count number | Mode      | Type and polish of Fiber Optic interface connector (2nd side)                       |
|--------------|--------------|-----------|---|
| ZZ           | Multimode    | LC/PC     |  |
| ZY           | Singlemode   | LC/PC     |   |
| ZX           | Singlemode   | LC/APC    |  |
| ZW           | Multimode    | SC/PC     |   |
| ZV           | Singlemode   | SC/PC     |  |
| ZU           | Singlemode   | SC/APC    |   |
| ZT           | Multimode    | ST/PC     |  |
| ZS           | Singlemode   | ST/PC     |   |
| ZR           | Singlemode   | ST/APC    |  |
| ZQ           | Multimode    | FC/PC     |   |
| ZP           | Singlemode   | FC/PC     |  |
| ZO           | Singlemode   | FC/APC    |   |
| ZN           | Multimode    | E2000/PC  |   |
| ZM           | Singlemode   | E2000/PC  |   |
| ZL           | Singlemode   | E2000/APC |   |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

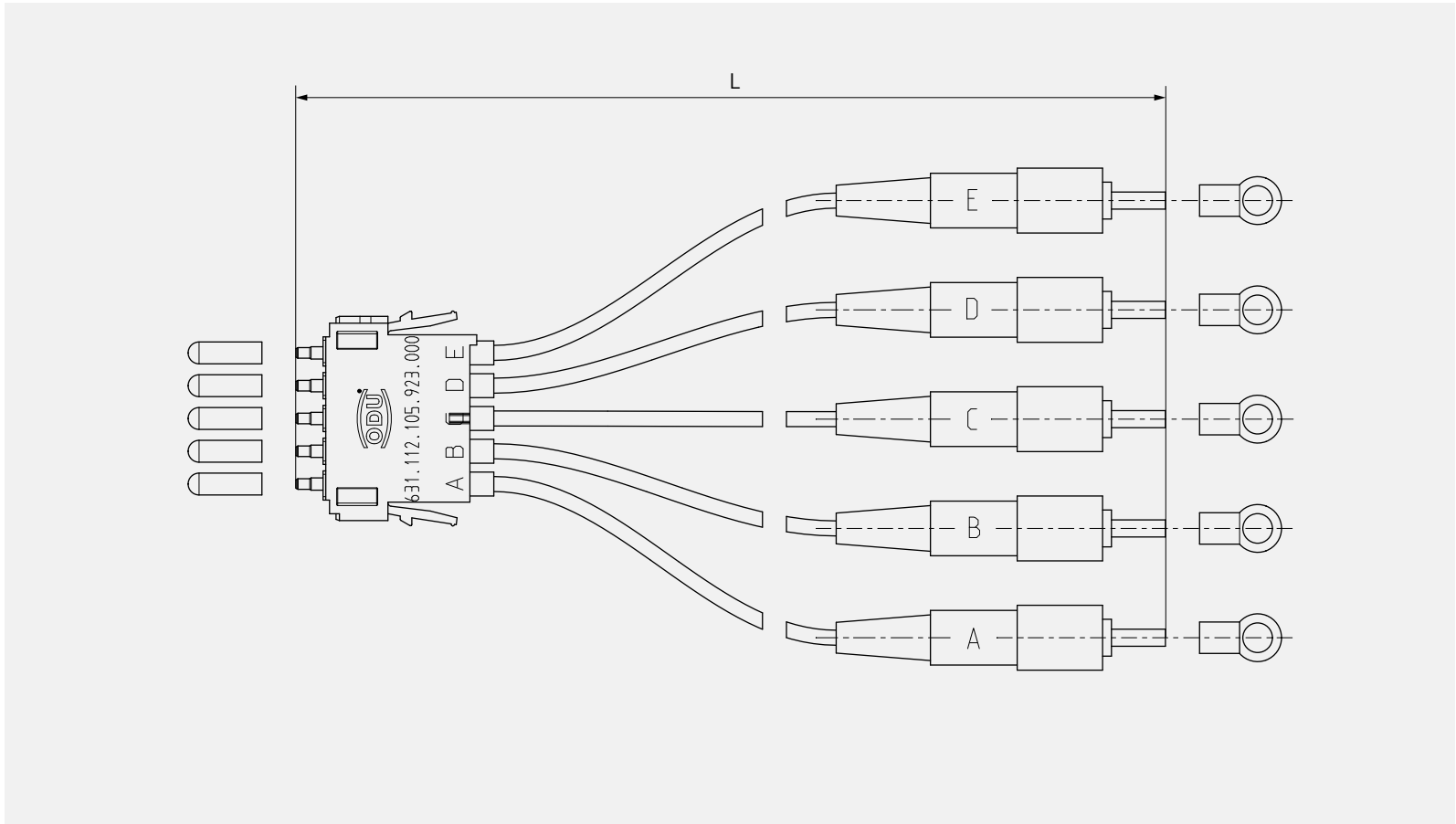


NUMBER KEY:



# POLYMER OPTICAL FIBER (POF)

## POF MODULE ASSEMBLY – PIN

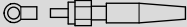
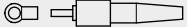


Please see the respective connector catalogue for a detailed connector specification.

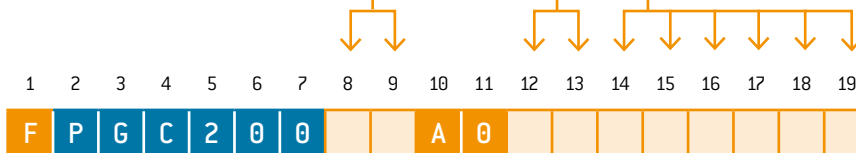
# PART NUMBER KEY

POF MODULE ASSEMBLY – PIN

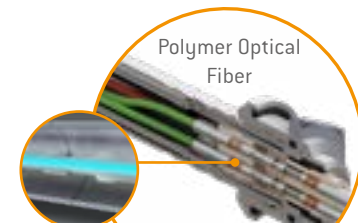
| Pos. 8 - 9  | Number of terminated FO-channels |
|---|----------------------------------|
| Quantity of terminated Fiber Optic-channels and Fiber Optic-plugs |                                  |
| Example: 4 terminated Fiber Optic-channels = 04                   |                                  |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZF           | Multimode | ST/PC   |  |
| ZE           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

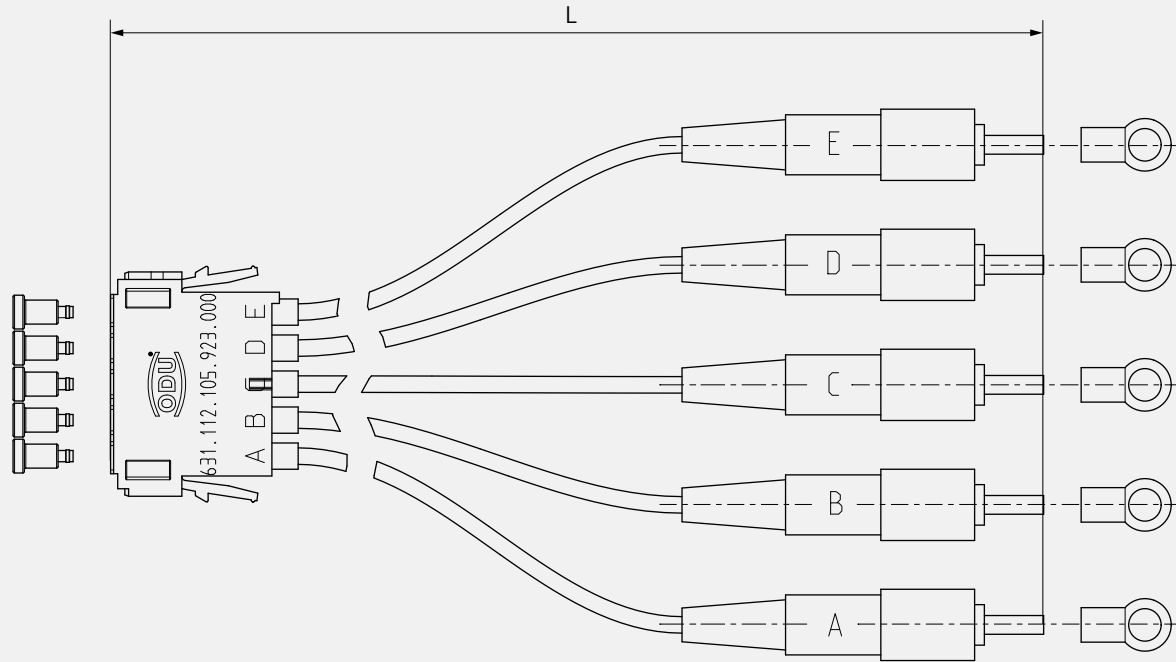


NUMBER KEY:



# POLYMER OPTICAL FIBER (POF)

## POF MODULE ASSEMBLY – SOCKET





Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

## POF MODULE ASSEMBLY – SOCKET

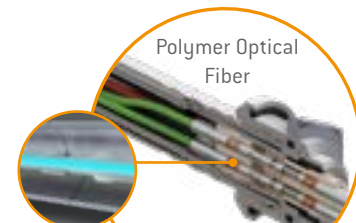
| Pos. 8 - 9  | Number of terminated FO-channels |
|---|----------------------------------|
| Quantity of terminated Fiber Optic-channels and Fiber Optic-plugs |                                  |
| Example: 4 terminated Fiber Optic-channels = 04                   |                                  |

| Pos. 12 - 13 |           | Count number  |   |
|--------------|-----------|---|---|
|              | Mode      | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZF           | Multimode | ST/PC   |  |
| ZE           | Multimode | FSMA/PC   |  |

| Pos. 14 - 19   | Length |
|--|--------|
| Length L of assembly in mm (minimum cable length 700 mm) |        |
| Example: 1000 mm = 001000                                |        |

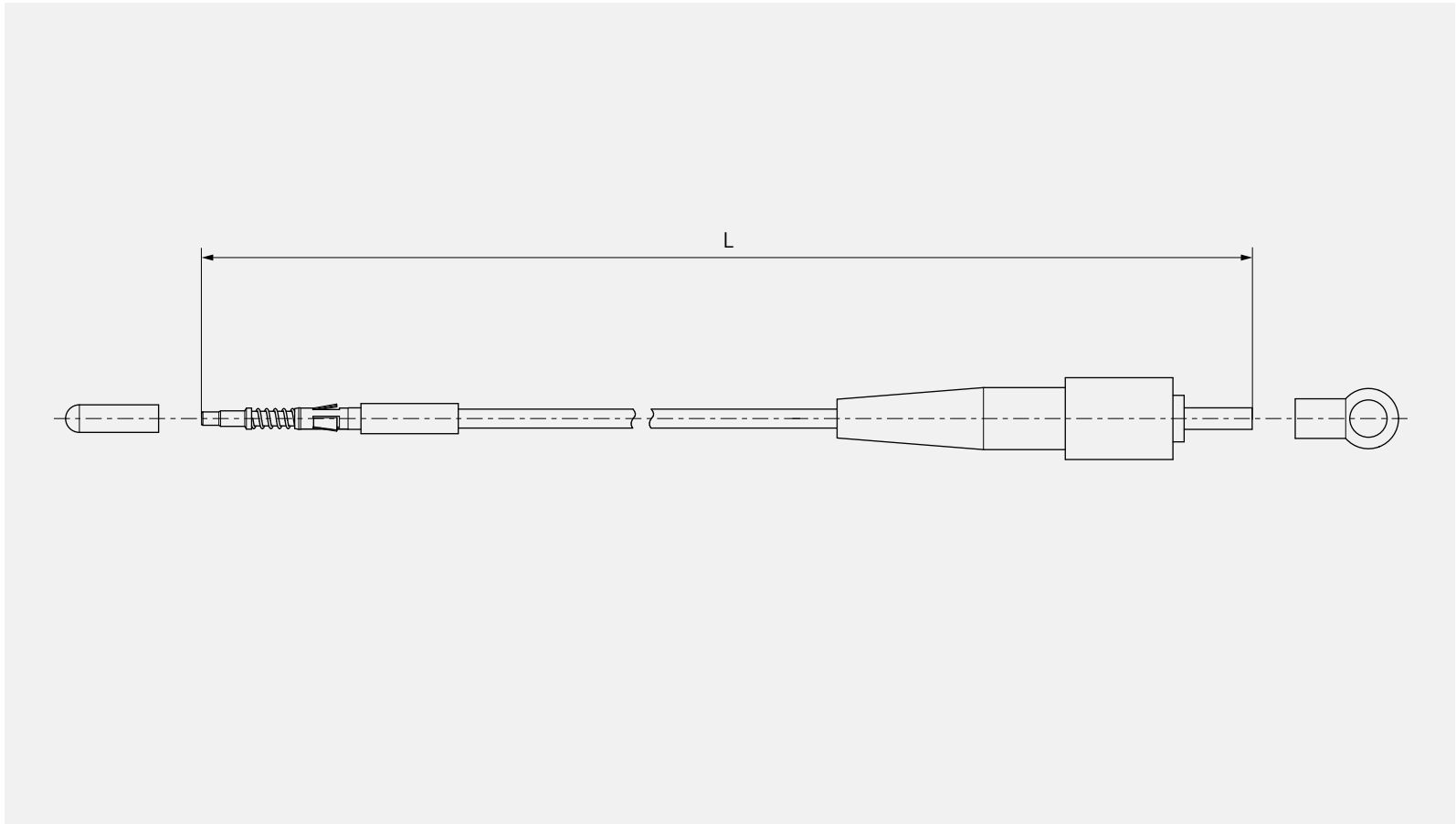
NUMBER KEY:

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| F | S | G | C | 2 | 0 | 0 |   |   | A  | 0  |    |    |    |    |    |    |    |    |



# POLYMER OPTICAL FIBER (POF)


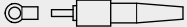
## POF CONTACT ASSEMBLY – PIN



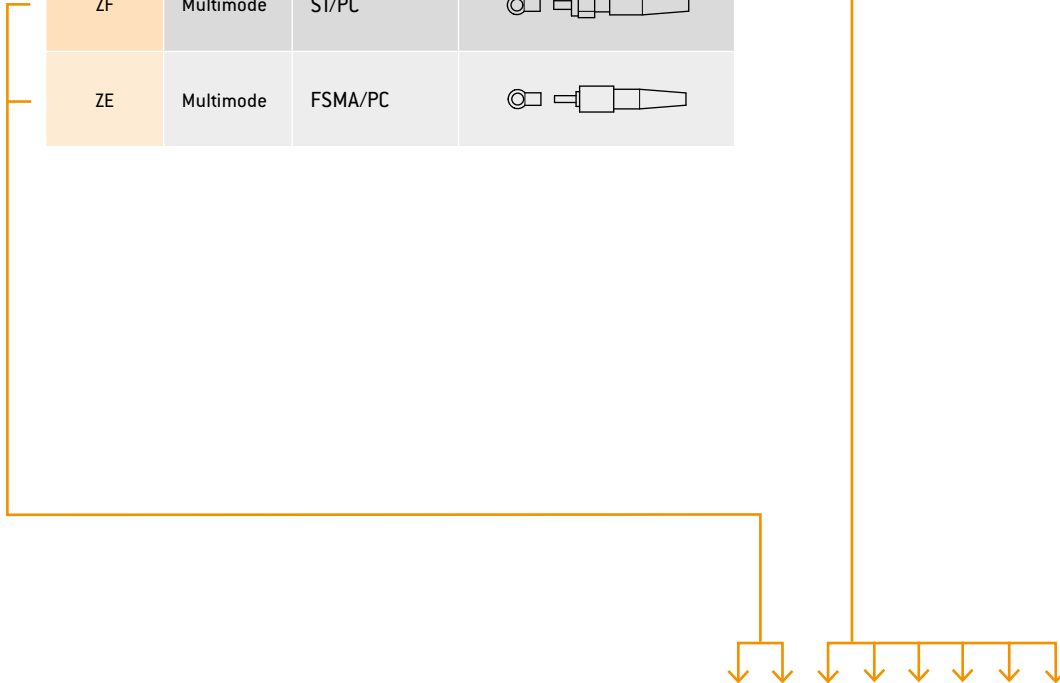
Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

POF CONTACT ASSEMBLY – PIN

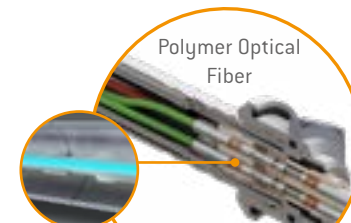
| Pos. 12 - 13 | Count number |   |   |
|--------------|--------------|---|---|
|              | Mode         | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZF           | Multimode    | ST/PC   |  |
| ZE           | Multimode    | FSMA/PC   |  |

| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |



NUMBER KEY:

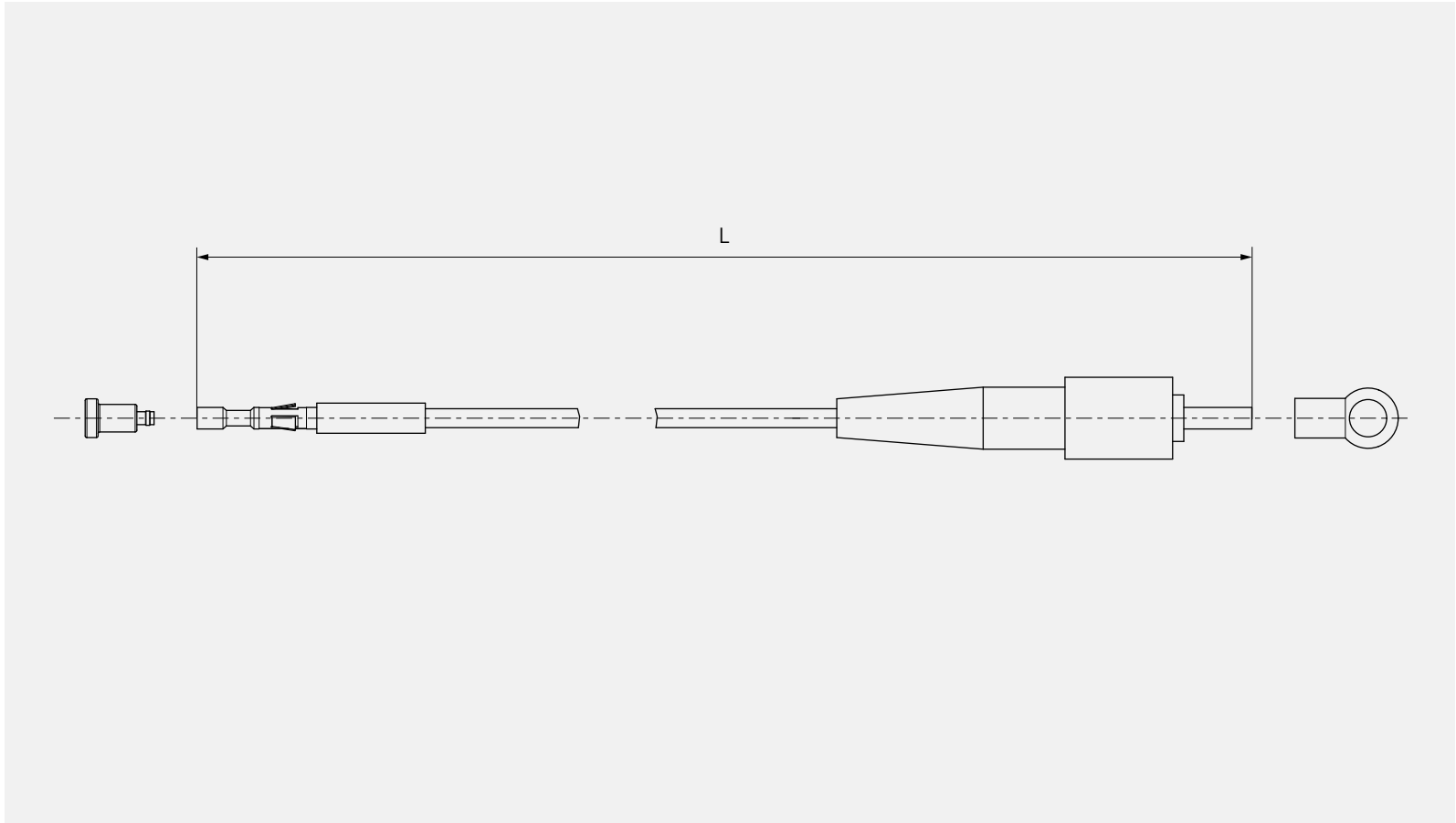
|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| F | M | 0 | P | 9 | 8 | 0 | 0 | 1 | G  | P  |    |    |    |    |    |    |    |    |





# POLYMER OPTICAL FIBER (POF)


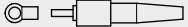
## POF CONTACT ASSEMBLY – SOCKET



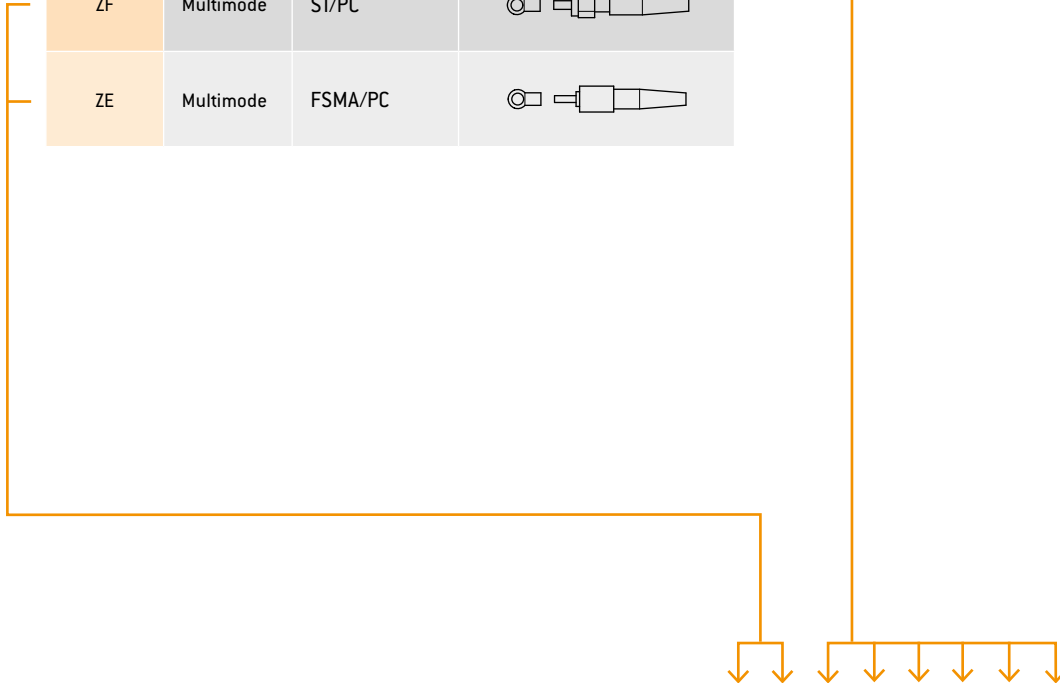
Please see the respective connector catalogue for a detailed connector specification.

# PART NUMBER KEY

## POF CONTACT ASSEMBLY – SOCKET

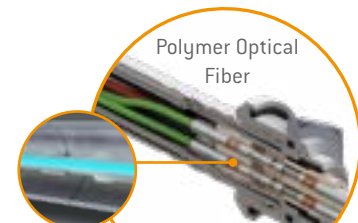
| Pos. 12 - 13 | Count number |   |   |
|--------------|--------------|---|---|
|              | Mode         | Type and polish of Fiber Optic interface connector (2nd side) |   |
| ZF           | Multimode    | ST/PC   |  |
| ZE           | Multimode    | FSMA/PC   |  |

| Pos. 14 - 19 | Length   |
|--------------|--|
|              | Length L of assembly in mm (minimum cable length 700 mm) |
|              | Example: 1000 mm = 001000                                |



NUMBER KEY:

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| F | F | 0 | P | 9 | 8 | 0 | 0 | 1 | G  | P  |    |    |    |    |    |    |    |    |



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