

# PSM-LWL-RUGGED-980/1000 - FO cable



2744322

<https://www.phoenixcontact.com/pc/products/2744322>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Polymer fiber cable, duplex 980µm/1000µm, heavy-weight version for installation in stationary systems and machines, by the meter without male connector

## Your advantages

- Robust installation cable for installation in stationary systems and machines
- For indoors
- Designed to meet increased requirements in terms of tensile and lateral loads
- Reinforced polyurethane (PUR) outer sheath
- 2.2 mm individual wires made from extremely hard-wearing polyamide (PA)
- Halogen-free, ozone, and UV resistant

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2744322                        |
| Packing unit                         | 1 m                            |
| Minimum order quantity               | 1 m                            |
| Note                                 | Made to order (non-returnable) |
| Product key                          | DNC231                         |
| Catalog page                         | Page 356 (C-8-2015)            |
| GTIN                                 | 4017918170844                  |
| Weight per piece (including packing) | 51.74 g                        |
| Weight per piece (excluding packing) | 51.74 g                        |
| Customs tariff number                | 85447000                       |
| Country of origin                    | DE                             |

# PSM-LWL-RUGGED-980/1000 - FO cable



2744322

<https://www.phoenixcontact.com/pc/products/2744322>

## Technical data

### Notes

#### Note on application

|                     |                         |
|---------------------|-------------------------|
| Note on application | Only for industrial use |
|---------------------|-------------------------|

### Product properties

|                     |                         |
|---------------------|-------------------------|
| Product type        | Data cable by the meter |
| Number of positions | 2                       |

### Electrical properties

|                     |               |
|---------------------|---------------|
| Transmission medium | Polymer fiber |
|---------------------|---------------|

### Interfaces

|        |          |
|--------|----------|
| Signal | Ethernet |
|--------|----------|

### Dimensions

#### External dimensions

|                        |        |
|------------------------|--------|
| External diameter min. | 7.5 mm |
| External diameter max. | 8.5 mm |

### Material specifications

|                            |                  |
|----------------------------|------------------|
| Color (Outer sheath)       | red (RAL 3001)   |
| Color (Single-core wire)   | black (RAL 9005) |
| Material (Separating film) | Aluminum         |
| Outer sheath, material     | PUR              |

### Cable/line

|                                         |                              |
|-----------------------------------------|------------------------------|
| Cable length                            | Free input (0.4 ... 100 m)   |
| Cable weight                            | 54 kg/km                     |
| Cable abbreviation                      | J-V11Y 4Y2P 980/1000 160A 10 |
| External cable diameter                 | 8 mm                         |
| Outer sheath, material                  | PUR                          |
| External sheath, strain relief elements | Non-metallic, aramide fiber  |
| Single wire, material                   | PA                           |
| Individual wire diameter                | 2.2 mm $\pm$ 0.07 mm         |
| Bending radius, single element          | 30 mm (Short-term)           |
|                                         | 30 mm (Short-term)           |
| Bending radius, entire cable            | 65 mm (Short-term)           |
|                                         | 65 mm (Short-term)           |
| Bending radius                          | 30 mm (Short-term)           |
|                                         | 30 mm (Permanent)            |
|                                         | 65 mm (Short-term)           |

# PSM-LWL-RUGGED-980/1000 - FO cable



2744322

<https://www.phoenixcontact.com/pc/products/2744322>

|                                       |                          |
|---------------------------------------|--------------------------|
|                                       | 65 mm (Permanent)        |
| Tensile strength short-term/long-term | 1000 N / 100 N           |
| Lateral pressure short term           | 300 N/cm                 |
| Lateral pressure, long-term           | 20 N/cm                  |
| Impact strength                       | 2 Nm / 10 x              |
| 660 nm                                | 230 dB/km                |
| Halogen-free                          | According to IEC 60754-2 |

## FO cable

|       |                            |
|-------|----------------------------|
| Fiber | Polymer fiber, 980/1000 µm |
|-------|----------------------------|

## Mechanical properties

|                                       |                |
|---------------------------------------|----------------|
| Tensile strength short-term/long-term | 1000 N / 100 N |
|---------------------------------------|----------------|

## Environmental and real-life conditions

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Impact strength                         | 2 Nm / 10 x      |
| Ambient temperature (operation)         | -20 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 80 °C |
| Ambient temperature (installation)      | -5 °C ... 50 °C  |
| Altitude                                | 5000 m           |

## Mounting

|                  |         |
|------------------|---------|
| cable layer type | Indoors |
|------------------|---------|

# PSM-LWL-RUGGED-980/1000 - FO cable



2744322

<https://www.phoenixcontact.com/pc/products/2744322>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27061803 |
| ECLASS-12.0 | 27061803 |
| ECLASS-13.0 | 27061803 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000034 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 26121600 |
|-------------|----------|

# PSM-LWL-RUGGED-980/1000 - FO cable



2744322

<https://www.phoenixcontact.com/pc/products/2744322>

## Environmental product compliance

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| EU RoHS                                 |                                          |
| Fulfills EU RoHS substance requirements | Yes, No exemptions                       |
| China RoHS                              |                                          |
| Environment friendly use period (EFUP)  | EFUP-E                                   |
|                                         | No hazardous substances above the limits |
| EU REACH SVHC                           |                                          |
| REACH candidate substance (CAS No.)     | No substance above 0.1 wt%               |

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachmarktstraße 8  
D-32825 Blomberg  
+49 (0) 5235-3 00  
[info@phoenixcontact.com](mailto:info@phoenixcontact.com)