

## PSM-LWL-KDL-980/1000 Polymer Fiber Optic Cable

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### Polymer Fiber Optic Cable light-weight version for indoor installation

Order No.: 27 99 28 3



Fig. 1

### 1. Technical Data

#### Fiber

Type	980/1000 $\mu\text{m}$ , step index fiber
Material	PMMA
Attenuation at 650 nm	$\leq 160$ dB/km (monochromatic)
660 nm	$\leq 230$ dB/km (LED)

#### Single Core

Material	polyethylene (PE)
Color	black
Diameter	4.4 mm x 2.2 mm
Short description	CA-1D2Y2P 980/1000 160A
Marking	abrasion-resistant marking for individual wires

#### Weight

7.8 kg/km

#### Temperature range

when installed	+ 5 °C to + 50 °C
in operation	-20 °C to + 70 °C
in storage	-40 °C to + 80 °C

#### Mechanic Properties

Bending radius	short-term	min. 20 mm
	long-term	min. 30 mm
Tensile strength	short-term	max. 40 N
	long-term	max. 10 N
Lateral pressure	short-term	max. 60 N/cm
	long-term	max. 10 N/cm

## 2. Material Properties

Chloroform test

free from substances impairing the paint-wetting performance  
in acc. with VW-Audi-Seat central standard 57 650  
DIN VDE 0472, Part 813

Halogen-free

## 3. Structure

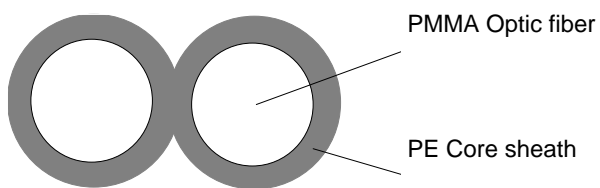


Fig. 2

## 4. Recommended Plug:

Phoenix Contact

Type designation: PSM-SET-FSMA/4-KT

Order No.: 27 99 720