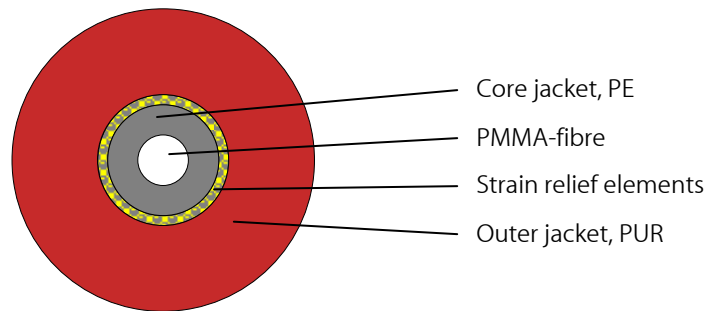


Part No.: **84C01000S**

FiberConnect® I-V2Y(ZN)11Y 1P980/1000

Profile view:



Design:

Fibre:

- Fibre of polymethylmethacrylat 980/1000 µm with fluorpolymere cladding (POF), diameter 1.0 mm

Core:

- Polyethylen- (PE)-jacket, nominal diameter: 2.2 mm colour: black

Strengt member:

- Aramid

Outer jacket:

- Polyurethan (TPE-U) with nominal 1.7 mm wall, colour: red
- Overall diameter: nominal 6.0 mm
- Inkjet-marking black:
 I-V2Y(ZN)11Y 1P980/1000 160A10
 (Order No.), (Reel No.), (sequential length in metres)

Application/Installation:

- POF-cable for usage in harsh industrial environment
- For flexibel applications with a weakly dynamic stress as well as installations in cable ducts, tubes and on cable racks
- Usable in drag chains
- For direct connector assembly

Transmission characteristics:

- Attenuation (at TR = 20 OC)
 - at 650 nm (Laser) < 160 dB/km
 - at 660 nm (LED) < 230 dB/km
- Bandwidth
 - at 650 nm using RML > 40 MHz x 100 m
- Numerical aperture 0.485 +/- 0.045

Part No.: **84C01000S**

Mechanical characteristics:

- min. bending radius

dynamic	70 mm
static	50 mm
- Pull force, max.

short-term	400 N
long-term	100 N
- Crush resistance, max.

short-term	1000 N/dm
long-term	100 N/dm
- Repeated bending
- Drag chain test
- Impact resistance, max.

Radius of striking surface:	300 mm,
Number of impacts:	10
Impact energy:	4 Nm,
Impact frequency:	30 min –1
- Abrasion resistance

Procedure 502	acc. DIN VDE 0888, Part 100,
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- Weight

	approx. 32 kg/km
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Thermal characteristics:

- Transport and storage
 - Installation
 - During operation
- | |
|---------------------|
| - 40 °C bis + 80 °C |
| - 5 °C bis + 50 °C |
| - 20 °C bis + 70 °C |

Fire performance:

- Cable is flame-retardant
- Halogen-free acc. to IEC 60754-2 A1:1997
- No emission of corrosive or toxic fumes

Chemical characteristics:

- Very good resistance to oil, petrol, acid and leach
- Oil resistance

IRM Oil No. 2, 100 °C,
DIN VDE 0473, Part 811-2-1
- Chloroform test

free from substances impairing the
paint-wetting performance acc. with. VW-Audi-Seat central standard 57 650
- UV-resistance of outer-jacket in according to DIN EN ISO 4892-2, Procedure A, UV-application 500 hours

Standardisation:

- Multimode fibres category A4a.2 IEC 60793-2-40
- IEC 61491 :1995-11 (SERCOS)
- IEC 60794-2-42

Notes:

- Packaging:
Disposable drums or
Coils