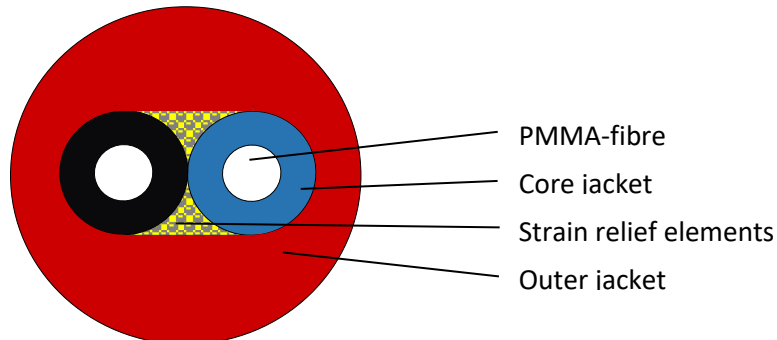


Part No.: **84D02000S**

FiberConnect® I-V2Y(ZN)11Y 2P980/1000 5.6mm

Profile view:



Design:

Fibre:

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

Core:

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

Cable:

- Two POF, parallel next to each other;

Strength member:

- Aramid

Outer jacket:

- Polyurethan (TPE-U) with nominal 0.5 mm wall,
colour: red
- Overall diameter: nominal 5.6 mm
- Inkjet-marking black:
I-V2Y(ZN)11Y 2P980/1000 200A10
(Order No.), (Reel No.), (sequential length in metres)

Application/Installation:

- POF-cable for industrial environments
- Cable for flexibel applications with a weakly dynamic stress as well as installations in cable ducts, tubes and on cable racks
- For direct connector assembly

Part No.: **84D02000S**

Transmission characteristics:

- Attenuation
at 650 nm (Laser) < 200 dB/km
at 660 nm (LED) < 290 dB/km
- Bandwidth
at 650 nm using RML > 40 MHz x 100 m
- Numerical aperture 0.485 +/- 0.045

Mechanical characteristics:

- Bending radius min.
dynamic 90 mm
static 60 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
- Abrasion resistance accord. to DIN VDE 0888,
Part 100, procedure 502
min. 5000 cycles, 1 mm radius of
needle , 500 g
- Fire load 0,44 kWh/m
- Weight approx. 28 kg/km

Thermal characteristics:

- Transport and storage - 40 °C to + 80 °C
- Installation - 5 °C to + 50 °C
- During operation - 40 °C to + 80 °C

Fire performance:

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

Chemical characteristics:

- Very good resistance to oil, petrol, acid and leach
- 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 60794-2-42

Part No.: **84D02000S**

Notes:

- **Packaging:**
Disposable drums

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