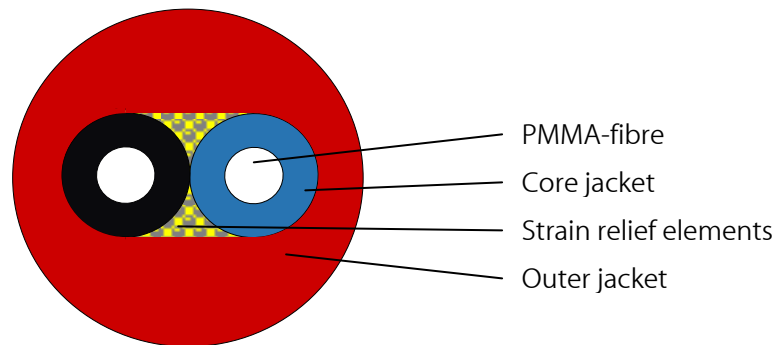


Part No.: **84D02000S****FiberConnect® I-V2Y(ZN)11Y 2P980/1000 5.6mm****Profile view:****Design:**Fibre:

- 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 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

**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
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- Numerical aperture
 

	0.485 +/- 0.045
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Part No.: **84D02000S****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

**Notes:**

- Packaging:  
Disposable drums