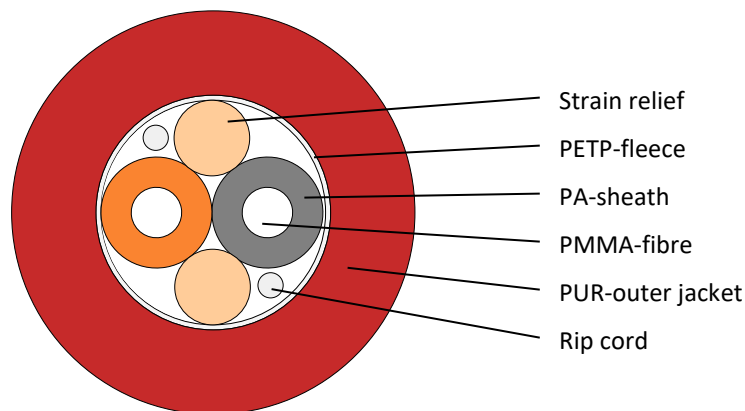


Part No.: **84D03500S**

FiberConnect® I-V4Y(ZN)11Y 2P980/1000 FLEX UL

Profile view:



Design:

Fibre:

- Fibre of polymethylmethacrylate (PMMA); 980/1000 µm step index profile with fluoropolymere cladding (POF), diameter 1.0 mm


Core:

- Polyamide (PA), nominal diameter: 2.2 mm
colour: black and orange

Stranding:

- Two POF, and two strain relief elements (rayon fibres) strandet in one layer
- Two diametral ripcords (aramid)
- PETP-fleece

Outer jacket:

- Polyurethane (TPE-U) with nominal 1.7 mm wall, colour: red
- Overall diameter: nominal 8.0 mm
- Inkjet-marking black:
WEINERT - FO - FiberConnect®  AWM STYLE 5422 80C VW-1 I-V4Y(ZN)11Y 2P980/1000 250A10, (order no.), (reel no.), (meter marking)

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

Part No.: **84D03500S**

Transmission characteristics:

- Attenuation
at 650 nm (Laser), max. 180 dB/km
at 660 nm (LED), typ. 275 dB/km
- Bandwidth min.
at 650 nm using RML 40 MHz x 100 m
- Numerical aperture 0.485 +/- 0.045

Mechanical characteristics of cable:

- Min. bending radius
short term, during installation 60 mm
long term, in Use 40 mm
- Tensile strength max.
short-term 400 N
long-term 100 N
- Crush resistance max.
short-term 2000 N/dm
long-term 200 N/dm
- Impact resistance max. 2 Nm/10 impacts
- Repeated bending 30,000 cycles
- Drag chain test in acc. to LEONI test instruction 1116

- Abrasion resistance
drag chain radius 55 mm
min. 5 million cycles
acc. IEC 60794-1-2,
procedure E2A;
min. 5,000 cycles;
diameter of needle 0.45mm;
500 g
- Weight approx. 55 kg/km

Thermal characteristics:

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

Fire performance:

- IEC 60332-1
- UL VW-1

Chemical characteristics:

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

Part No.: **84D03500S**

Standardisation:

- UL-758 AWM Style 5422
- Multimode fibres category A4a.2 IEC 60793-2-40
- IEC 60794-2-42

Notes:

- Packaging:
Non-returnable reel

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