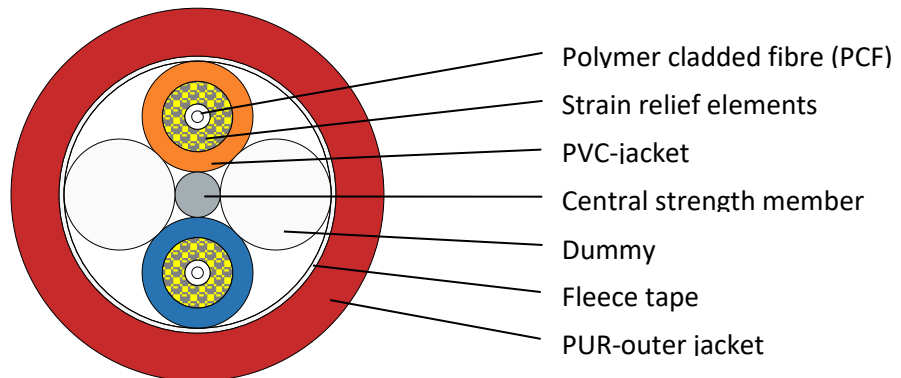


Part No.: **84Q04700T**

FiberConnect® AT-V(ZN)Y11Y 2K200/230

Profile view:



Design:

Single element:

- Polymer clad optical fibre 200/230 µm (step index) with Tefzel buffer (ETFE), buffer diameter: approx. 0.5 mm
- Strain relief elements: aramid
- Jacket: Polyvinylchloride (PVC) wall thickness approx. 0.4 mm, colours: orange und blue
- Diameter: nominal 2.2 mm

Stranding:

- Central strength member (FRP)
- two breakout subcables and two dummies stranded in one layer
- Fleece tape

Cable jacket:

- Polyurethane (TPE-U), wall thickness nominal 1.0 mm colour: red
- Over all diameter: nominal 7.4 mm
- Inkjet-marking (black):
AT-V(ZN)Y11Y 2K200/230 10A17 / 8B20
(Order No.), (Reel No.), (sequential length in metres)

Application/Installation:

- FO- cable for harsh industrial environment
- Break-out cable for fixed indoor and outdoor installation in cable ducts, on cable trays or in cable conduits
- For direct connector assembly
- Drag chain suitable

Part No.: **84Q04700T**

Transmission characteristics:

- Attenuation (at room temperature approx. 20°C)
 - at 650 nm < 10 dB/km
 - at 850 nm < 8 dB/km
- Bandwidth
 - at 650 nm > 17 MHz x km
 - at 850 nm > 20 MHz x km
- Numerical aperture 0.37

Fibre characteristics:

- Fibre temperature application - 65 °C to + 125 °C
- Proof-Test ≥ 150 kpsi

Mechanical characteristics:

- min. bending radius
 - dynamic 110 mm
 - static 70 mm
- Pull force, max.
 - dynamic 800 N
 - static 200 N
- Crush resistance, max.
 - short-term 4000 N/dm
 - long-term 1000 N/dm
- Torsion in according to IEC 60794-1-2, E7
 - temperature:- 40°C
 - torsion length:1 m
 - rotation: ± 144 °
 - cycle:100
 - tensile force:100N
- Weight approx. 45 kg/km

Thermal characteristics:

- Transport and storage - 40 °C to + 85 °C
- Installation - 20 °C to + 60 °C
- During operation - 40 °C to + 85 °C

Fire performance:

- Cable is flame retardant

Chemical characteristics:

- Very good resistance against oil, petrol, acid and leach
- UV-resistance of outer-jacket in according to DIN EN ISO 4892-2, Procedure A, UV-application 500 hours

Part No.: **84Q04700T**

Standardisation:

- Multimode fibres category A3e
IEC 60793-2-30
- IEC 60794-2
- DIN VDE 0888-Part 6

Notes:

- Packaging:
Non-returnable reel

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