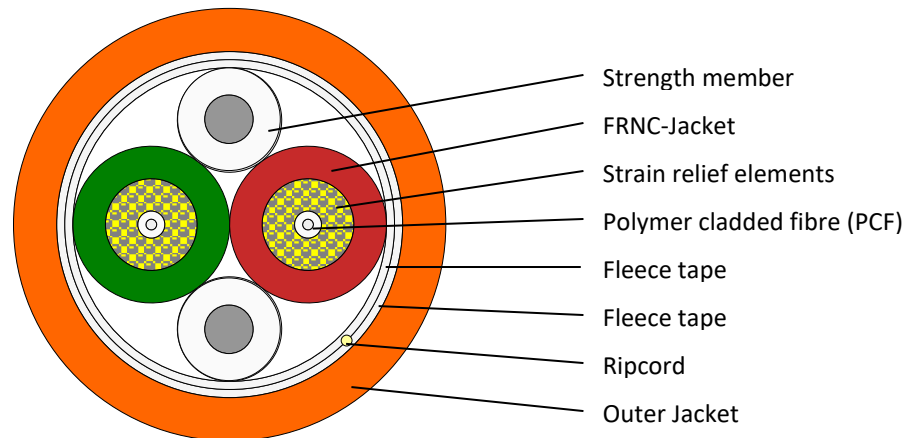


Part No.: **84Q00600T**

FiberConnect® I-V(ZN)H11Y 2K200/230

Profile view:



Design:

Single element:

- Polymer clad optical fibre 200/230 μm (step index) with Tefzelbuffer (ETFE), buffer diameter: approx. 0.5 mm
- Strain relief elements: aramid
- Jacket: FRNC (TPE-O) halogen-free und flame-retardent, wall nominal 0.6 mm, colour: red and green
- Diameter: nominal 2.9 mm

Stranding:

- Two single elements and two strength member stranded
- Two fleece tape

Cable jacket:

- Polyurethane (TPE-U), wall thickness nominal 1.0 mm colour: orange
- Ripcord
- Over all diameter: nominal approx. 8.0 mm
- Inkjet-marking black:
I-V(ZN)H11Y 2K200/230 10A17 / 8B20
(Order No.), (Reel No.), (sequential length in metres)

Part No.: **84Q00600T**

Application/Installation:

- Fibre cable for fixed indoor installation
- For direct connector assembly

Transmission characteristics:

- Attenuation
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

Mechanical characteristics:

- Bending radius, min.
dynamic 120 mm
static 80 mm
- Pull force, max.
dynamic 1000 N
static 200 N
- Crush resistance,
dynamic max acc. to IEC 60794-1-2, E3
static 4000 N/dm
1000 N/dm
- Impact resistance acc. to IEC 60794-1-2, E4
2.0 Nm/10 blows
- Abrasion resistance accord. to IEC 60794-1-2, E2A
min. 5000 cycles, 0.45 mm
radius of needle , 7 N
- Torsion acc. to IEC 60794-1-2, E7
temperature:- 40°C
torsion length:1 m
rotation: ± 4x 360 °
cycle:100
tensile force:100N
- Weight approx. 54 kg/km

Thermal characteristics:

- Transport and storage - 40 °C bis + 70 °C
- Installation - 20 °C bis + 60 °C
- During operation - 40 °C bis + 70 °C

Part No.: **84Q00600T**

Fire performance:

- Cable is flame retardant
- Cable is halogen-free acc. to IEC 60754-2
(except Tefzel buffer)
- Fire load 1,72 MJ/m (0,48 kWh/m)

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

Standardisation:

- Multimode fibres category A3e IEC 60793-2-30

Notes:

- Packaging
Disposable drums

Disclaimer:

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