

Terminated cable with MTP/MPO

Product information

Terminated cable with MTP/MPO



Application

This is a multi fiber optic cable suitable for high density necessities like data centers or other IT rooms. This is an indoor cable for installation in cable ducts and in tubes and also suitable for interconnections. Recommended for direct connector assembly.

This product can be configured for up to 24 fibers, both single and multi-mode and different types of polarities. The order length is up to the customer. This solution represents a more practical approach than the use of separate fiber optic patch cords.

Technical information

Cable

Gel-free, central multifiber cable for direct MTP connector assembly; meets CPR class B2ca

Cable core

Fiber type	OM4, G50/125
No of fibres	12/24
Colour code fibres (1-12)	red, green, blue, yellow, white, grey brown violet, turquoise, black, orange, pink
Strain relief elements	aramid

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Outer jacket

Halogen-free & flame retardant (FRNC)

Colour Violet

Outer diameter (mm) 3/3.7

Wall thickness (mm) 0.45

Transmission characteristics

Attenuation, maximum values, cabled fibre - 850 nm 2.5 dB/km

Attenuation, maximum values, cabled fibre - 1300 nm 0.7 dB/km

Mechanical characteristics

Min. bending radius fixed (static) acc. IEC 60794-1-22 E11A 10 x outside diameter

Min. bending radius during assembly (dynamic), with additional tensile strain acc. IEC 60794-1-22 E6 15 x outside diameter

Max. crush resistance acc. IEC 60794-1-22 E3, short term 600 N/dm

Max. crush resistance acc. IEC 60794-1-22 E3, long term 150 N/dm

Max. pull force 300

Thermal characteristics

Transport and storage - 25°C to + 70°C

Installation - 5°C to + 50°C

In use acc. IEC 60794-1-21 F1 - 10°C to + 70°C

Fire performance

Fire load MJ/m 0.14

Cable is flame-retardant acc. to IEC 60332-1-2 and to IEC 60332-3-24 Cat.C

Smoke density acc. to IEC 61034

Halogen-free acc. to IEC 60754-1

Chemical characteristics

No resistance to oil, petrol, acid and leach

Standardisation

IEC 60794-2

EN 50575 : 2014 + A1 : 2016

Connector

Multimode MT Elite Ferrule

Insertion Loss 0.10 dB Typical (All Fibers)
0.35 dB Maximum (Single Fiber)

Multimode MT Standard Ferrule

Insertion Loss 0.20 dB Typical (All Fibers)
0.60 dB Maximum (Single Fiber)

