Standard central tube with 2-12f

Steel Messenger Self Supporting Fig-8 Sheath

Single Jacket

FTTx Applications

Application

FTTx cables are used in the last portion of an all-optical network, such as fiber-to-the-home (FTTH) or fiber-to-the-business (FTTB) networks. Acts as a bridge between the distribution network and the subscriber premises.

Benefits

- Fiber Count up to 12f
- Easy access single tube design
- Rapid deployment
- Single P€ Jacket suitable for shortspan applications

Fiber types

- G.651 multi-mode fiber
- G.652D single-mode fiber
- G.655 NZDS fiber for DWDM applications
- G.657 Bend-insensitive single-mode fiber

full range of protections

Water blocked

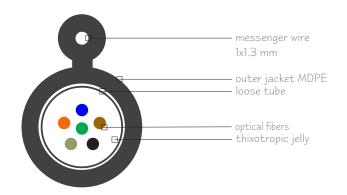
Full range of applications

- Outdoor
- Aerial

Optional protections

N/A

Cable cut-away



Typical parameters	
Number of fibers	Uρ to 12
Nominal outer diameter	5.5 mm (0.22 in.) χ 8.5 mm (0.34 in.)
Cable weight	47 kg/km (32 lbs/kft)
Max. bend radius	20 x cable O.D.
Max. working tension	1000 N (225 lbf)
Operating temperature range	-30°C / 70°C (-22°F/ 158°F)



Qualifications & Approvals

Bellcore Standards ITU Standards TIA/EIA Standards

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Technical Data Sheet

Central Tube Optical Cables

Standard central tube with 2-12f

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FTTx Applications

Cable Properties

2-12 fibers FTTx cable 1 thixotrophic jelly filled loose tube Medium density polyethylene outer jacket Steel Messenger Fig-8 (1.3 mm)

Basic optical fiber	All MM and SM type fiber
Number of fibers in each tube	2-4-6-8-10-12
Number of loose tubes	1
Loose tube diameter	3.0 mm (0.12 in.) O.D.
Tube material	PBT (Polybutylene Terephtalate)
Color of loose tube	Natural
Color of fibers	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Tube filling compound	Thixotropic jellų
Core filling compound	No filling compound.
Outer Jacket	Black P \in 1.1 \pm 0.1 mm (0.04 \pm 0.01 in.) nominal thickness
Steel messenger diameter	1.3 mm (0.05 in.)
Approximate overall diameter	10.7 mm (0.42 in.) X 5.2 mm (0.20 in.)

Mechanical Performance	Test Procedure	Specification
Tensile strength test	IEC 60794-1-E1	1000 N (225 lbf)
Crush test	IEC 60794-1-E3	300 N/cm
Temperature cycling		-30°C / 70°C (-22°F/ 158°F)
Bend radius (during installation)	IEC 60794-1-E11	20 x cable O.D.
Bend radius (during service)	IEC 60794-1-E11	15 x O.D.
Water penetration test	IEC 60794-1-F5	1 m length in 24 hrs with no water leak



