

Miniflex[®]

Euroclass Dca Cable



Features & Benefits

- ITU-T G657A1 optical fiber - 3x 12F micro loose tubes
- EN CPR (Construction Products Regulation) Dca (s3, d2, a3)
- Loose tube cable design
- Dry core construction
- Ultra-flexible, small bend radius for compact slack fiber storage
- Pushable, pullable, and blowable for routing into building ducts and conduits
- Small and unobtrusive enough for surface mount applications
- Tough enough for clipping, tacking and gluing
- Manufactured from a UL94 V0 polymer
- UV Stable
- Lightweight
- Small Diameter (5.0 mm for 36 fibers)
- Miniflex Technology for 5x diameter operating bend radius
- High crush resistance
- Best-in-class push/pull and blow-ability



Overview

Rated Dca (s3, d2, a3) in accordance with EN 50575:2014+A1:2016, this Miniflex Fiber Distribution Cable is considered a low fire hazard product. With low flame spread and zero droplets, it is the ideal cable solution in areas with high fire risks such as public and multi-dwelling buildings, escape routes and corridors. At just 5.0 mm outer diameter, the Miniflex Distribution cable is a low profile, rugged, ultra-flexible cable solution for pushing and pulling inside raceways or for fixing directly to building surfaces.

By virtue of the Miniflex grooving technology, this ruggedized, lightweight fiber cable is ultra-flexible while resisting the urge to kink like regular fiber cable. No specialist installation tools are required to push/pull Miniflex through FTTx microducts.

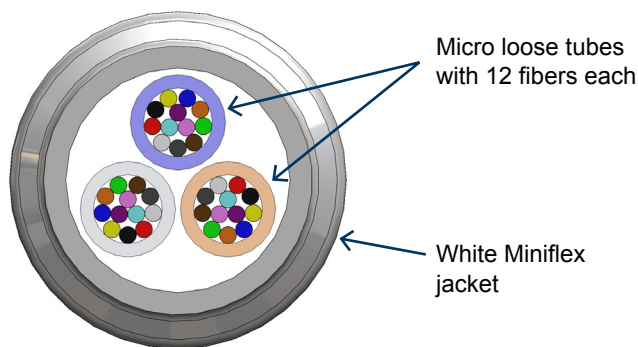
Applications

- FTTH / FTTX indoor and outdoor
- Multi dwelling units (MDU)
- Telecoms, data infrastructure and transportation

Technical Data

Transmission Performance Specification

Fiber Performance	
Type	Single-mode
Specification	G657A1
Max. Attenuation 1310 nm / 1550 nm	≤ 0.40 dB/km / 0.35 dB/km
Min. Bend Radius	Attenuation dB at 1550 nm
10 turns at 15mm	0.20
1 turn at 10mm	0.75
1 turn at 7.5mm	~



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Mechanical Performance Specification

Cable Dimensions		Tensile Performance	Impact Performance	Bend Performance	
Cable Jacket O.D.	Wall Thickness	Max. Install Tension	<0.05dB change	Installation Min. Bend Radius	Operating Min. Bend Radius
(mm)	(mm)	(N)	(N. m)	(mm)	(mm)
5.0	0.85	100	5	100	50

Cable Dimensions		Crush Resistance			Temperature Performance
Cable Jacket O.D.	Wall Thickness	Recoverable Jacket Damage	<0.05 dB Attenuation	Loss of Optical Signal	Operating Range
(mm)	(mm)	(N)	(N)	(N)	°C (°F)
5.0	0.85	1500	1500	>3400	-20 to 50 (-4 to 122)

Ordering Information

Fiber Type (ITU-T)	Fiber Coating	Cable O.D.	Fiber Count	Descriptive Code	Standard SKU (m marked) 2,000 m
G657A1	250 µm	5.0 mm	36	MX-365-PBIO-WHT-A1-250	10-0500