

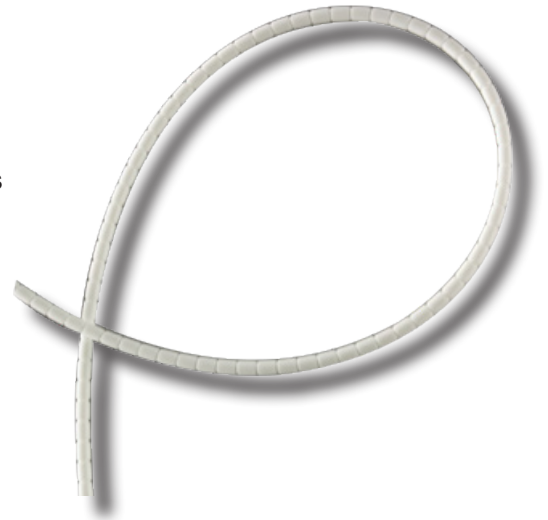
Miniflex[®]

Euroclass Cca Cable



Features and Benefits

- ITU-T G.657 optical fiber
- Loose tube cable design
- Dry construction (no gel)
- Terminated with Balistix SC and LC connectors (QuikPush[®]), or industry standard connectors
- 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
- EN CPR (Construction Products Regulation) Cca rated
- UV Stable
- Ultra Tough
- Lightweight
- Small Diameter (2,2 mm for 1-4 fibers, 3 mm for 1-12 fibers)
- Miniflex Technology for 5 x diameter bend radius
- High crush resistance
- Best-in-class push/pull and blow-ability



Overview

Rated Cca in accordance with EN 50575:2014+A1:2016, Miniflex[®] fiber 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 2.2 mm or 3 mm outer diameter, Miniflex Cable is a rugged, ultra-flexible drop 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. When combined with PPC's class-leading low-friction microducts, the cable can be pushed by hand up to 100 m (328.1 ft) with up to 8 x 90° bends in the route.

Applications

- FTTH / FTTX indoor and outdoor
- MDU and rural broadband single-dwelling units (SDU)
- Telecoms, data infrastructure and transportation

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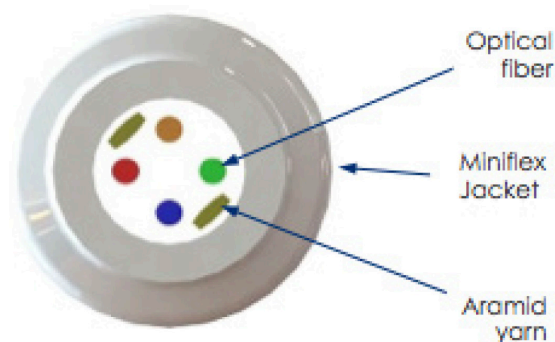
Technical Data

Cable Description

Fiber Type (ITU-T)	Fiber Coating <i>μm</i>	Cable O.D. <i>mm</i>	Fiber Count	Descriptive Code	Standard SKU (meter marked) 2,000m
G657A1	250	2.2	1	MX-012-PBIO-WHT-A1-250	10-1244
G657A1	250	2.2	2	MX-022-PBIO-WHT-A1-250	10-1299
G657A1	250	2.2	4	MX-042-PBIO-WHT-A1-250	10-1298
G657A1	250	3.0	1	MX-013-PBIO-WHT-A1-250	10-1310
G657A1	250	3.0	2	MX-023-PBIO-WHT-A1-250	10-1329
G657A1	250	3.0	4	MX-043-PBIO-WHT-A1-250	10-1246
G657A1	250	3.0	6	MX-063-PBIO-WHT-A1-250	10-1331
G657A1	250	3.0	8	MX-083-PBIO-WHT-A1-250	10-1332
G657A1	250	3.0	12	MX-123-PBIO-WHT-A1-250	10-1272
G657A2	900	3.0	1	MX-013-PBIO-WHT-A2-900	10-1338
G657A2	250	2.2	1	MX-012-PBIO-WHT-A2-250	10-1388
G657A2	250	2.2	2	MX-022-PBIO-WHT-A2-250	10-1473
G657A2	250	2.2	4	MX-042-PBIO-WHT-A2-250	10-1437
G657A2	250	3.0	1	MX-013-PBIO-WHT-A2-250	10-1389
G657A2	250	3.0	2	MX-023-PBIO-WHT-A2-250	10-1474
G657A2	250	3.0	4	MX-043-PBIO-WHT-A2-250	10-1439

Transmission Performance Specification

Fiber Performance		
Type	Single-mode	
Specification	G657A1	G657A2
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	0.03
1 turn at 10mm	0.75	0.10
1 turn at 7.5mm	~	0.50



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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
<i>mm</i>	<i>mm</i>	<i>N</i>	<i>N. m</i>	<i>mm</i>	<i>mm</i>
3	0.8	100	2	30	15
2.2	0.5	100	2	22	11

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
<i>mm</i>	<i>mm</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>°C</i>
3	0,8	1500	2900	>3400	-40 to +70
2,2	0,5	1500	3000	>3500	-40 to +70