

Miniflex[®]

Euroclass Eca Cable



Features & Benefits

- ITU-T G652.D, G657A1 & G657A2 optical fiber
- Loose tube cable design
- Dry construction (no gel)
- QuikPush[®] cable assemblies terminated with Balistix[™] SC and LC connectors, and 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) Eca rated
- UV stable, light weight and high crush resistant
- Small Diameter (3 mm for 1-12 fibers)
- Miniflex[®] Technology for 5x diameter operating bend radius
- Best-in-class push/pull and blow-ability



Overview

Rated Eca in accordance with EN 50575:2014+A1:2016, Miniflex fiber cable is considered a low flame spread product. At just 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 ft) with up to 8 x 90° bends in the route.

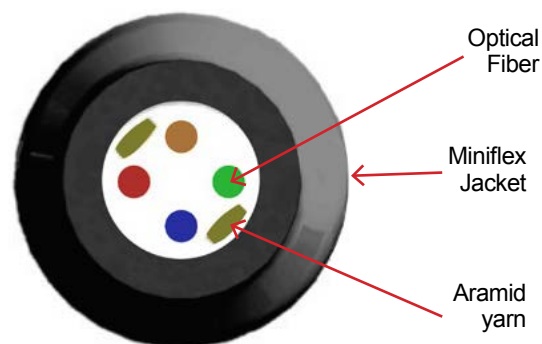
Applications

- FTTH/FTTX indoor and outdoor,
- MDU and rural broadband SDU
- Telecoms, Data Infrastructure and Transportation

Technical Data

Transmission Performance Specification

Fiber Performance		
Type	125 micron	
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	0.50	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
(mm)	(mm)	(N)	(N. m)	(mm)	(mm)
3.0	0.8	100	1	30	15

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)
3.0	0.8	1500	2400	>3000	-20 to 70 (-4 to 158)

Ordering Information

Fiber Type (ITU-T)	Fiber Coating	Cable O.D.	Fiber Count	Descriptive Code	Standard SKU (m marked) 2,000 m
G657A2	900µm	3.0mm	1	MX-013-PBIO-BLK-A2-900	10-0225
G657A1	250µm	3.0mm	1	MX-013-PBIO-BLK-A1-250	10-0236
G657A1	250µm	3.0mm	2	MX-023-PBIO-BLK-A1-250	10-0215
G657A1	250µm	3.0mm	4	MX-043-PBIO-BLK-A1-250	10-0239
G657A1	250µm	3.0mm	6	MX-063-PBIO-BLK-A1-250	10-0213
G657A1	250µm	3.0mm	8	MX-083-PBIO-BLK-A1-250	10-0222
G657A1	250µm	3.0mm	12	MX-123-PBIO-BLK-A1-250	10-0217