Miniflex®
Euroclass Cca Cable

A BELDEN BRAND

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 3mm 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 meters with up to 8 x 90° bends in the route.

Miniflex Euroclass Cable is a tough and lightweight optical fiber loose tube cable, available with up to 12 optical fibers.

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

Advantages
- EN CPR (Construction Products Regulation) Cca rated
- UV Stable
- Ultra Tough
- Lightweight
- Small Diameter (2.2mm for 1-4 fibers, 3mm for 1-12 fibers)
- Miniflex Technology for 5 x diameter bend radius
- High crush resistance
- Best-is-class push/pull and blow-ability

Benefits
- 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

Features
- ITU-T G.657 optical fiber
- Loose tube cable design
- Dry construction (no gel)

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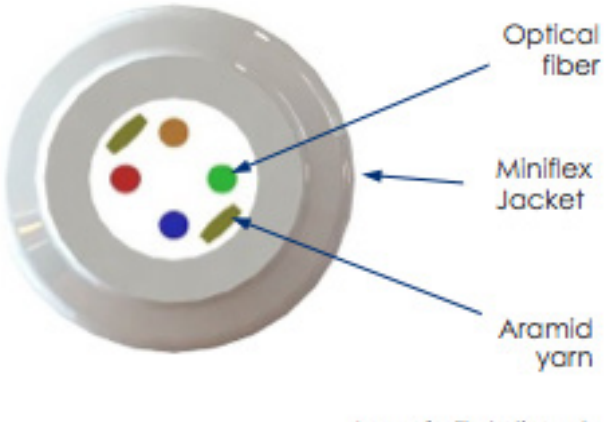
Cable Description

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

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



Mechanical Performance Specification

Cable Dimensions		Tensile Performance	Impact Resistance	Bend Performance		Crush Resistance			Temperature Performance
Cable Jacket O.D.	Wall Thick-ness	Max. Install Tension	<0.05dB change	Installa-tion Min. Bend Radius	Operat-ing Min. Bend Radius	Recov-erable Jacket Damage	<0.05 dB Attenua-tion	Loss of Optical Signal	Operating Range
(mm)	(mm)	(N)	(N. m)	(mm)	(mm)	(N)	(N)	(N)	(°C)
3.0	0.8	100	2	30	15	1500	2900	>3400	-40 to +70
2.2	0.5	100	2	22	11	1500	3000	>3500	-40 to +70

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