

# Miniflex<sup>®</sup>

## Euroclass Eca Cable



Rated Eca in accordance with EN 50575:2014+A1:2016, Miniflex fiber cable is considered a low flame spread product.

At just 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 ruggedised lightweight fiber cable is ultra flexible whilst resisting the urge to kink like regular fibre 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 in >100 metres 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.**



### Features

- ITU-T G.657 optical fiber
- Loose tube cable design

### Applications

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

### Advantages

- EN CPR (Construction Products Regulation) Eca rated
- UV Stabilised
- Ultra Tough
- Lightweight
- Small Diameter (3mm for <12 fibre)
- Miniflex Technology for 5 x D bend radius
- High crush resistance
- Best-in-class push/pull and blow-ability

### Benefits

- Terminated with Balistix SC and LC connectors (QuikPush<sup>®</sup>), or industry standard connectors.
- Ultra-Flexible, small bend radius for compact slack fiber storage
- Push- / Pull- / Blow-able for routing into building ducts and conduits
- Small and unobtrusive enough for surface mount applications
- Tough enough for clipping, tacking and gluing



**Manufactured  
in the UK**

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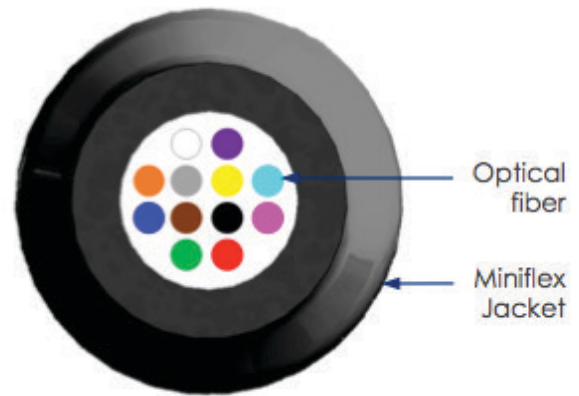
### Cable Description

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

### 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



### Mechanical Performance Specification

Cable Dimensions		Tensile Performance	Impact Resistance	Bend Performance		Crush Resistance		Temperature Performance	
Cable Jacket O.D.	Wall Thickness	Max. Install Tension	<0.05dB change	Installation Min. Bend Radius	Operating Min. Bend Radius	Recoverable Jacket Damage	<0.05 dB Attenuation	Loss of Optical Signal	Operating Range
(mm)	(mm)	(N)	(N. m)	(mm)	(mm)	(N)	(N)	(N)	(°C)
3.0	0.8	100	1	30	15	1500	2400	>3000	-40 to +70

### Contact

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