

Fibre Optic Cabling

FTTX Miniflex Cable Euroclass Eca

Rated Eca in accordance with EN 50575:2014+A1:2016, Miniflex fibre 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 our 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 fibre loose tube cable, available with up to 12 optical fibres.

Features & Benefits

- ITU-T G.657.A1 optical fibre
- Loose tube cable design
- 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
- Terminated with Balistix SC and LC connectors (QuikPush®) 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



Applications

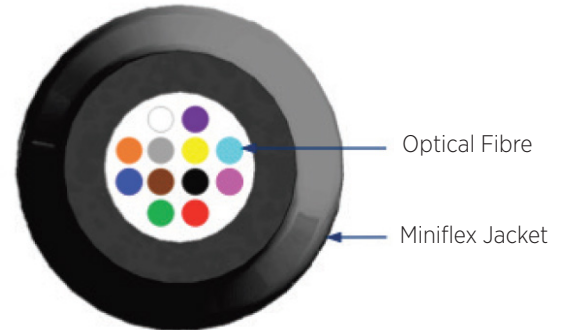
- FTTH/FTTX indoor and outdoor,
- MDU and rural broadband SDU
- Telecoms, Data Infrastructure and Transportation

| Cable Description | | | | | | |
|-------------------|-------------------|---------------|----------|-------------|------------------------|------------------|
| Fibre Type | Part Number | Fibre Coating | Cable OD | Fibre Count | Descriptive Code | Euroclass Rating |
| G657A1 | 002-900-801-01Eca | 250µm | 3.0mm | 1 | MX-013-PBIO-WHT-A1-250 | Eca |
| G657A1 | 002-900-801-02Eca | 250µm | 3.0mm | 2 | MX-023-PBIO-WHT-A1-250 | Eca |
| G657A1 | 002-900-801-04Eca | 250µm | 3.0mm | 4 | MX-043-PBIO-WHT-A1-250 | Eca |
| G657A1 | 002-900-801-06Eca | 250µm | 3.0mm | 6 | MX-063-PBIO-WHT-A1-250 | Eca |
| G657A1 | 002-900-801-08Eca | 250µm | 3.0mm | 8 | MX-083-PBIO-WHT-A1-250 | Eca |
| G657A1 | 002-900-801-12Eca | 250µm | 3.0mm | 12 | MX-123-PBIO-WHT-A1-250 | Eca |

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| Transmission Performance Specification | |
|--|--------------------------|
| Type | 125 micron |
| Specification | G657A1 |
| Max. Attenuation 1310nm/1550nm | <0.40 dB/km |
| Min. Bend Radius | Attenuation dB at 1550nm |
| 10 turns at 15mm | 0.20 |
| 1 turn at 10mm | 0.50 |



| Mechanical Performance Specification | | | | | | | | | |
|--------------------------------------|----------------|----------------------|-------------------|------------------------------|---------------------------|---------------------------|----------------------|------------------------|-------------------------|
| Cable Dimensions | | Tensile Performance | Impact Resistance | Bend Performance | | Crush Resistance | | | Temperature Performance |
| Cable Jacket OD | 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 |