

Miniflex® Riser Cable



Miniflex® Riser Cable is a tough and lightweight optical fiber loose tube cable, available with up to 12 optical fibers. Starting at just 2.2mm outer diameter, the Miniflex Riser Cable is a ruggedised, ultra-flexible drop cable solution for pushing and pulling inside raceways and microducts. The Riser Cable fully conforms with the UL 1651 standard for a Riser Cable. Because of the Miniflex grooving technology this ruggedized lightweight fiber cable is ultra flexible and won't kink like many fiber cables. No specialist installation tools are required to push/pull Miniflex® Riser Cable through FTTx Microducts. The cable can be pushed by hand in excess of 100 meters with up to 8 x 90° bends in the route.



Benefits

- Can be pre-terminated with Ballistix SC and LC connectors (QuikPush), or industry standard connectors.
- Ultra-Flexible, small bend radius for compact slack fiber storage
- Pushable / Pullable / Blowable fiber for routing into building ducts and conduits
- Small and unobtrusive enough for surface mount applications
- Tough enough for clipping, tacking and gluing
- Flame Retardant (UL1651) material

Advantages

- **UL 1651 Riser Rated**
- **UV Stable**
- **Ultra Tough**
- **Lightweight**
- **Small Diameter (2mm for 1-4 fibers, 3 mm for 1 -12 fibers)**
- **Miniflex® Technology for 10 x Diameter Bend Radius**
- **High crush resistance**
- **Best-in-class push/pull and blowability**

Features

- ITU-T G.657 optical fibre
- Loose Tube cable design
- Dry construction (no gel)

Applications

- FTTH/FTTX indoor and outdoor,
- MDU and rural broadband single dwelling Units
- Telecoms, Data Infrastructure and Transportation



UL File No.
E317652

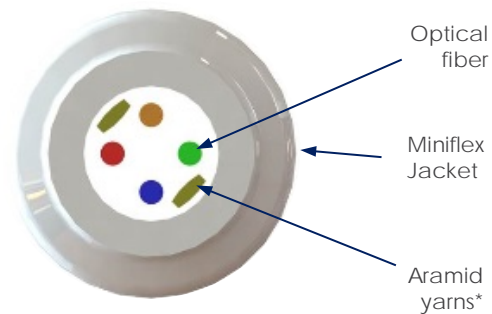
Mechanical Performance Specification

Outer Diameter	Tensile Performance	Impact Resistance	Bend Performance	Crush Resistance			Temperature Performance
				Recoverable Jacket Damage	<0.05dB Change (1550 nm)	Loss of Optical Signal (dB)	
Cable Jacket O.D.	Max. Install Tension	<0.05dB change	Operating Min. Bend Radius	N(lbf)	N(lbf)	N(lbf)	Operating Range
mm	N (lbf)	N. M (lbf)	mm	N(lbf)	N(lbf)	N(lbf)	°C (°F)
2.2	100 (23)	2 (1.5)	11	1500 (337)	3000 (675)	>3500 (787)	-40 to +70 (-40 to +158)
3.0	100 (23)	2 (1.5)	15	1500 (337)	2900 (650)	>3400(764)	-40 to +70 (-40 to +158)

Transmission Performance Specification

Fiber performance

Item	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	0.20	0.10
1 turn at 7.5mm	~	0.50



*Excludes 12 fiber cable

Product Codes

Fibre Type (ITU-T)	Fibre Coating	Cable O.D.	Fibre Count	Descriptive Code	Standard SKU (metre marked) 2,000 m	Standard SKU (foot marked) 6,500 ft
G657A1	250u	2.2mm	1	MX-012-PBIO-WHT-A1-250	10-1244	10-1244FT
G657A1	250u	2.2mm	2	MX-022-PBIO-WHT-A1-250	10-1299	10-1299FT
G657A1	250u	2.2mm	4	MX-042-PBIO-WHT-A1-250	10-1298	10-1298FT
G657A2	900u	3.0mm	1	MX-013-PBIO-WHT-A2-900	10-1338	10-1338FT
G657A1	250u	3.0mm	1	MX-013-PBIO-WHT-A1-250	10-1310	10-1310FT
G657A1	250u	3.0mm	2	MX-023-PBIO-WHT-A1-250	10-1329	10-1329FT
G657A1	250u	3.0mm	4	MX-043-PBIO-WHT-A1-250	10-1246	10-1246FT
G657A1	250u	3.0mm	6	MX-063-PBIO-WHT-A1-250	10-1331	10-1331FT
G657A1	250u	3.0mm	8	MX-083-PBIO-WHT-A1-250	10-1332	10-1332FT
G657A1	250u	3.0mm	12	MX-123-PBIO-WHT-A1-250	10-1272	10-1272FT

Contact

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