

Miniflex[®] LSZH Cable



Miniflex[®] Low Smoke Zero Halogen fiber cable is a flexible, pushable fiber optic cable made from a crush resistant durable polymer. It has exceptionally light weight for the level of strength and protection it provides.

Miniflex[®] Low Smoke Zero Halogen fiber Cable is available with many different counts & types of fiber including G.657 A1 singlemode and G.651 OM3 multimode.



Applications

- FTTH/FTTX - Indoor
- Data Infrastructure
- Telecoms
- DAS / FTTA
- Rural Broadband
- Transportation
- Military

Advantages

- Low Smoke Zero Halogen outer sheath (LSZH)
- Features Miniflex[™] technology
- Lightweight
- Small diameter
- Grooving increases flexibility
- Very high crush resistance
- Uses industry-standard fiber
- Ultra tough
- Class-leading combination of size, crush resistance, flexibility & fiber density.

Compatibility List

- ITU-T G.657 & G.651
- UL 2024 Optical Fiber Raceway
- Field splice and lab terminations
- PPC microduct – Indoor, Riser, Plenum, Outdoor, Aerial and Direct Bury
- QuikPush[™] pre-terminated connector (SC & LC)



Cable Material Information

Fiber Count	Weight (kg/km)	OD (mm)	Sheath Thickness (mm)	Tension Strength (n)	Minimum Bend Radius		Crush (n)
					Installation (mm)	Operation (mm)	
250µm							
1, 2, 4, 6, 8 & 12	7.5	3.0	0.8	100	15	30	650
24	8.6	4.0	0.7	100	20	40	550
Material	Properties		Best for		Colour	Operating Temp	Installation Temp
PA12	(Nylon) Hardest & toughest indoor material, European LSZH		Indoor - (LSZH)		White*	-20°C to +85°C	-20°C to +60°C

* Other colors available upon request

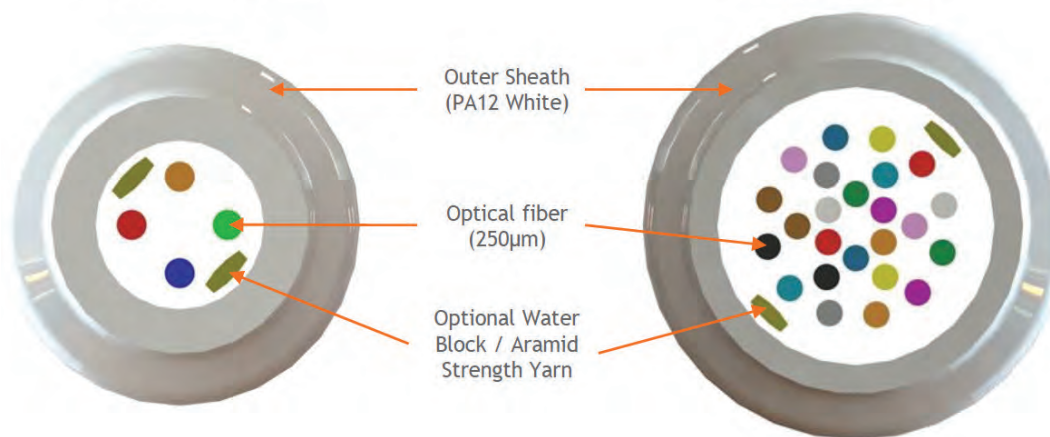
Transmission Performance Specification

Item	Single-mode	Multi-mode
Specification	G657 A1	G.651 OM3
Attenuation (850 / 1300 nm)	n/a	≤ 2.3/0.60 dB/km
Attenuation (1310 / 1550 nm)	≤ 0.35/0.21 dB/km	n/a
Attenuation at 1625 nm	< 0.24 dB/km	n/a
Refractive Index at 1310nm, 1550nm	1.467, 1.468	n/a
Refractive Index at 850nm, 1300nm	n/a	1.482, 1.477
Proof test	0.69 GPa (100 kpsi), 1% min.	0.69 GPa (100 kpsi), 1% min.
Cladding diameter	125 ± 0.7µm	125 ± 1.0µm
Coated diameter	235µm to 245µm	237µm to 247µm
Core/Cladding concentricity error	≤ 0.5µm	≤ 1.0µm
Coating concentricity error	≤ 12µm	≤ 6µm
Macro bend loss (1550 nm)	(1550 nm)	(850 and 1300 nm)
10 turns at 50mm diameter	≤ 0.01 dB	≤ 0.2 dB
10 turns at 30mm diameter	≤ 0.2 dB	n/a
1 turn at 20mm diameter	≤ 0.2 dB	n/a
Temp. range (operation) -60°C to +85°C	max attenuation change ≤ 0.05 dB/km	max attenuation change ≤ 0.1 dB/km
Coating Strip Force	1.3 to 8.9 N	1.3 to 8.9 N

Enquiry Information: Code Builder

1-12 Fiber Cable

24 Fiber Cable



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