

Minilex cable – 12 to 24 fibers

Basic characteristic

- ▲ Indoor cable with very high crush resistance
- ▲ Suitable for FTTX applications, Datacenters, Telecoms, transportation, military
- ▲ Suitable for direct MTP termination
- ▲ Low Smoke Zero Halogen outer sheath (LSZH)



Cable parameters

Jacket material		LSZH
Cable construction		Miniflex cable
Outer diameter	12 fibers:	approx. 3,0mm x 0,8mm
	24 fibers:	approx. 4,0mm x 0,7mm
Weight	12 fibers:	7,5 kg/km
	24 fibers:	8,6 kg/km
Tension strength	12 fibers:	100N
	24 fibers:	100N
Fiber type	SM:	OS2
	MM:	OM3
		OM4
		OM5
Minimum Bend radius - installation	12 fibers:	15mm
	24 fibers:	20mm
Minimum Bend radius - operation	12 fibers:	30mm
	24 fibers:	40mm
Temperature range	operation:	-20°C to +85°C
	installation:	-20°C to +60°C

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Transmission Performance Specification

Attenuation (850/1300nm)	SM:	N/A
	MM:	≤2,3/0,60 dB/km
Attenuation (1310/1550nm)	SM:	≤0,35/0,21 dB/km
	MM:	N/A
Attenuation at 1625nm	SM:	<0,24 dB/km
	MM:	N/A
Refractive Index at 1310nm, 1550nm	SM:	1,467; 1,468
	MM:	N/A
Refractive Index at 850nm, 1300nm	SM:	N/A
	MM:	1,482; 1,477
Proof test	SM:	0,69GPa (100kpsi), 1% min.
	MM:	0,69GPa (100kpsi), 1% min.
Cladding diameter	SM:	125±0,7um
	MM:	125±1,0um
Coated diameter	SM:	235um to 245um
	MM:	237um to 247um
Core/Cladding concentricity error	SM:	≤0,5um
	MM:	≤1,0um
Coating concentricity error	SM:	≤12um (1550nm)
	MM:	≤6um (850 & 1300nm)
10turns at 50mm diameter	SM:	≤0,01dB
	MM:	≤0,2dB
10turns at 30mm diameter	SM:	≤0,2dB
	MM:	N/A
1turn at 20mm diameter	SM:	≤0,2dB
	MM:	N/A
Temp. range (operation) -60°C to +85°C	SM:	max ≤0,05dB/km
	MM:	max ≤0,1dB/km
Coating Strip Force	SM:	1,3 to 8,9 N
	MM:	1,3 to 8,9 N

Ordering code	Inkjet print	Jacket colour
MF-12-OS2-3.0-WH	N/A	White
MF-12-OM3-3.0-WH	N/A	White
MF-24-OS2-4.0-WH	N/A	White
MF-24-OM3-4.0-WH	N/A	White

* Specifications are subject to change without notice

For more information contact our sales team at sales@sylex.sk