

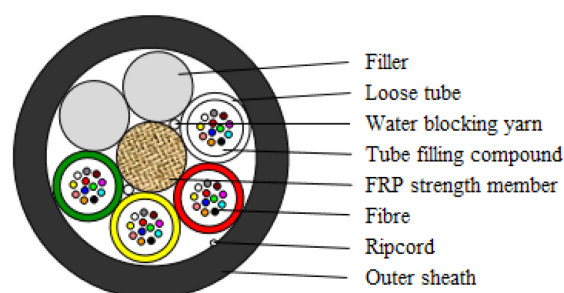
PRODUCT SPECIFICATION

CONNECT

IT

EUROLAN Micro Cable Singlemode G.652.D NO12

IEC 60794-5-10



Schematic for reference only

Ordering information

Part number	E-number	No-number	Description
39MN-S2-24-54BL	9841624	1003697	EUROLAN MICROCABLE 24X652D NO12 T4000
39MN-S2-48-54BL	9841648	1003698	EUROLAN MICROCABLE 48X652D NO12 T4000
39MN-S2-96-61BL	9841696	1003699	EUROLAN MICROCABLE 96X652D NO12 T4000

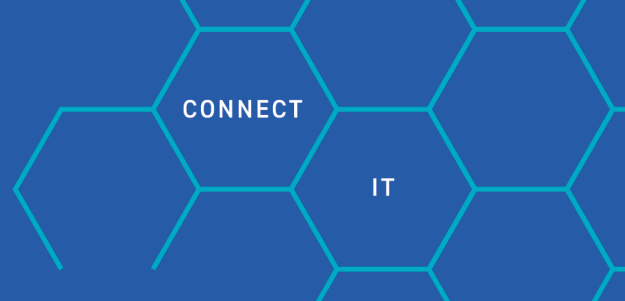
Optical characteristics (ITU-T G.657.D)

Maximum attenuation value of cable @1310 nm	≤0.36 dB/km
Maximum attenuation value of cable @1550 nm	≤0.22 dB/km

Dimensions and descriptions

Fibre counts		--	24	48	96
Element number		--	6	6	8
Fibre counts per tube		--	12		
Loose tube	Diameter	±0.1 mm	1.45		
Central strength member		--	FRP		
Water blocking material		--	Water blocking yarn		
Outer sheath	Material	--	HDPE / Black		
	Thickness	mm	Approx 0.5		
Ripcord		--	1		
Cable diameter (D)		±0.2 mm	5.4	5.4	6.1
Cable weight (W)		±15% kg/km	26	26	36
For micro-duct inner diameter		Mm	≥8	≥8	≥8
Tension (Installation/short term)		N	600	600	800
Tension (Operation/long term)		N	240	240	500
Min. cable bending radius		Mm	Static: 10xD Dynamic: 20xD		
Temperature range		°C	Transportation and storage temperature: -30~+70		
			Installation temperature: -10~+50		
			Operation temperature: -30~+70		

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Items	Test Standard	Specified Value	Requirements
Tension	IEC 60794-1-21-E1	Load: According to the above sheet. Sample length: Not less than 50m. Duration time: 1 min	Additional attenuation: <0.05dB after test. No damage to outer jacket and inner elements.
Crush	IEC 60794-1-21-E3A	Load: 500N Duration of load: 1 min	Additional attenuation: <0.05dB after test. No damage to outer jacket and inner elements.
Repeated bending	IEC 60794-1-21-E6	Bending radius: 20xD Cycles: 25 Load: 25N	Additional attenuation: <0.05dB. No damage to outer jacket and inner elements.
Torsion	IEC 60794-1-21-E7	Cycles: 5 Length under test: 1m Turns: $\pm 180^\circ$ Load: 40N	Additional attenuation: <0.1dB. No damage to outer jacket and inner elements.
Water penetration	IEC 60794-1-22-F5	Time: 24 hours Sample length: 3m Water height: 1m	No water leakage.
Temperature cycling	IEC 60794-1-22-F1	Sample length: at least 1000m Temperature range: $-30^\circ\text{C}\sim+70^\circ\text{C}$ Cycles: 2 Dwell time: 12 hours	The change in attenuation coefficient shall be less than 0.05 dB/km
Other parameters	According to IEC 60794-1		

All attenuation measurements required in this section shall be performed at 1550nm.

Fiber color code					
1	2	3	4	5	6
White	Red	Yellow	Green	Blue	Gray
7	8	9	10	11	12
Brown	Black	Violet	Turquoise	Orange	Pink