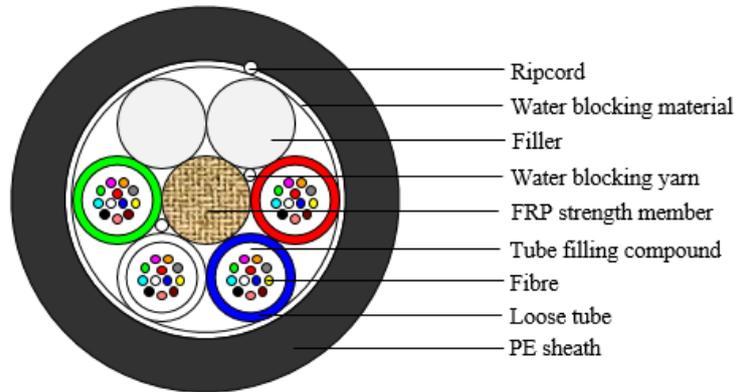


MINI Cable

IEC 60794-5-10



FIBER MICRO CABLE 48J (4X12) ZM-XOTKtsd G.652D

** Schematic for reference only*

Optical characteristics

Maximum attenuation value of cable @ 1310 nm	≤ 0.35 dB/km after cabled
Maximum attenuation value of cable @ 1550 nm	≤ 0.21 dB/km after cabled

Dimensions and Descriptions

Fibre counts	--	4	6~24	12~72	96	144	
Fibre counts per tube	--	4	6	12	12	12	
Loose tube	Number	--	1	1~4	1~6	8	12
	Diameter	mm	1.45				
PE filler number	--	5	5~2	5~0	0	0	
Central strength member	Material	--	FRP				
	Diameter	mm	1.6	1.6	1.6	2.4	4.1(2.4)
Water blocking material	--	Water blocking yarn					
Peripheral strength member	--	Aramid yarn					
Outer sheath	Material	--	Black HDPE				
	Thickness	mm	Approx.0.5				
Ripcord	--	1					
Cable diameter (D) <i>Approx.</i>	±0.2mm	5.4	5.4	5.4	6.1	7.9	
Cable weight (W) <i>Approx.</i>	kg/km	26	26	26	36	52	
For micro-duct inside diameter	mm	8~12	8~12	8~12	8~12	10~14	

Fibre & Tube Colors Identification

1	2	3	4	5	6	7	8	9	10	11	12
Red	Blue	White	Green	Purple	Orange	Grey	Yellow	Brown	Pink	Black	Aqua

The color of the PP fillers will be white.

** Different color code available upon customer's requirement.*

Main Mechanical and Environmental Performance

Items	Test Standard	Specified Value	Requirements
Tension	IEC 60794-1-21-E1	Load: 600N (4-72F) 800N (96-144F) Duration time: 1 min.	Fibre strain: $\leq 0.6\%$ Additional attenuation: $\leq 0.05\text{dB}$ after test
Crush	IEC 60794-1-21-E3A	Load: 500N/100mm Duration time: 5 min	Additional attenuation: $\leq 0.05\text{dB}$ after test
Impact	IEC 60794-1-21-E4	R=300mm, 1J one in 3 different places	Additional attenuation: $\leq 0.1\text{dB}$
Repeat Bending	IEC 60794-1-21-E6	R=40*D, 25 cycles Load: 25N	Additional attenuation: $\leq 0.05\text{dB}$ after test
Torsion	IEC 60794-1-21-E7	Length under test=2m 5 cycles, Turns: $\pm 180^\circ$ Load: 45N	Additional attenuation: $\leq 0.1\text{dB}$
Water Penetration	IEC 60794-1-22-F5	Sample length=1m Water height=1m, 24 hours	No water leakage
Temperature Cycling	IEC 60794-1-22-F1	-30 °C ~ +60 °C 2 cycles, dwell time: 24 hours	Attenuation change: $\leq 0.05\text{dB/km}$ after test

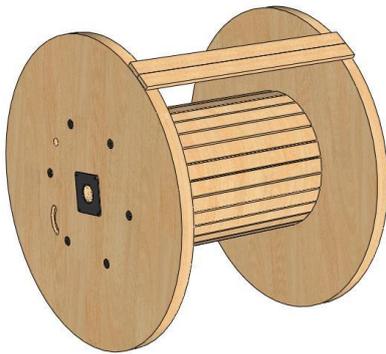
* All attenuation measurements required in this section shall be performed at 1550nm.

Cable Sheath Marking

= Extralink CABLE TYPE=
=CABLE ID=
=METER MARKING=

* Different sheath marking legend available upon customer's requirement.

Packaging and Drum



- Standard reel length: 2/3 km/reel, other length is also available.
- The cables are packed in fumigated wooden drums.
- Both ends of the cable will be sealed with suitable plastic caps to prevent the entry of moisture during shipping, handling and storage. The inner end is available for testing.

* Different drum type available upon customer's requirement.