



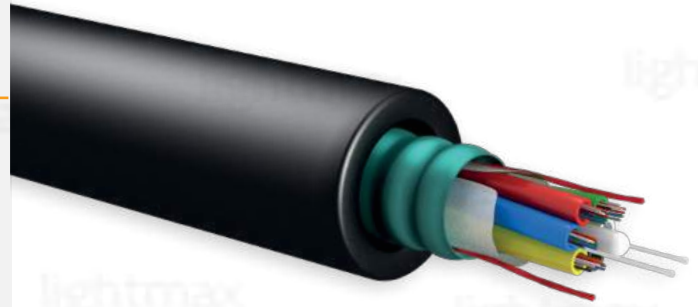
Indoor/Outdoor Cable

Steel Armoured, Multi Loose tube | LSZH

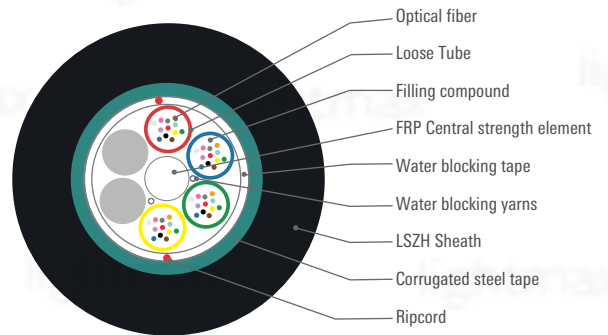
SM - G.652.D | 48 Fibres

Eca

LightMax[®] Multi Loose tube Steel Armoured Indoor/Outdoor optical cable is available in 48 fibres. This cable is recommended installations on ducts in damages risk areas, and for lashing. It offers great stability and performance on several environmental and installation situations. The sheath protects the cable from UV radiation and humidity. Loose tubes are filled with suitable compound. Loose tubes and fillers are stranded around CSE. A corrugated steel-plastic tape provides additional anti-rodent protection.



[Picture for reference purposes only]



G.652.D FIBRE OPTIC SPECIFICATIONS		
Fibre type		Single Mode
Core diameter		9 μm
MFD	@1310 nm	9.2 ± 0.4 μm
	@1550 nm	10.4 ± 0.5 μm
Cladding diameter		125 ± 0.7 μm
Coating diameter		235 - 250 μm
Coating non circularity		≤ 6.0 %
Core/Cladding concentricity error		≤ 0.6 μm
Chromatic Dispersion	@1285 ~ 1340 (nm)	≤ 3.5 ps/(nm.km)
	@1550 nm	≤ 18 ps/(nm.km)
	@1625 nm	≤ 22 ps/(nm.km)
	Zero-Dispersion wavelength	1300 nm - 1324 nm
PMD	Zero-Dispersion slope	≤ 0.092 ps/(nm ² .km)
	Max. (fibre on the reel)	≤ 0.10 ps/√km
	Max. (link designed value)	≤ 0.06 ps/√km
Attenuation	@1310 nm (after cabling)	≤ 0.40 dB/km
	@1550 nm (after cabling)	≤ 0.30 dB/km
Proof test		≥ 0.69 Gpa (100 kpsi)
Dynamic Fatigue (n₁)		≥ 20
Standard	ITU-T	G.652.D



Fibres, Loose tubes & fillers colours

[France Telecom]

Fibres	01 Red	07 Orange	Loose tubes	01 Red
	02 Blue	08 Grey		02 Blue
	03 Green	09 Brown		03 Green
	04 Yellow	10 Black		04 Yellow
	05 Violet	11 Aqua	Fillers	Natural
	06 White	12 Pink		

Features:

- Steel tape armoured cable.
- LSZH Outer sheath.
- Rodent protection.
- Multi 12 fibres loose tubes.
- Compound for water protection .
- Single mode G.652.D fibre.
- Euroclass CPR Eca.

Applications:

- Indoor / Outdoor
- Duct

CABLE SPECIFICATIONS				
Fibres count		-	48	-
Structure		-	2 + 4	-
Loose Tube	Fibre count per tube	mm	12	
	Material	-	PBT	
	Loose tube diameter	mm	2.05	
Central Strength Member	Material	-	FRP	
	Diameter	mm	2.1	
	PE layer diameter	mm	N/A	
Water blocking compound	Material	-	Water blocking tape +Dry core waterswellable yarn	
Armour	Material	-	Steel-plastic tape	
	Material	-	LSZH	
Sheath	Colour	-	Black	
	Thickness	mm	1.7	
Cable Diameter		mm	11.1 ±0.5	
Cable Weight		kg/km	150 ±15%	
Tensile		N	2000	
Crush		N/100mm	2000	
Temperature		°C	-30 ~ 70	
Bend radius	Stactic	-	25 x D	
	Dynamic	-	20 x D	
Standards				
IEC 60794-1-2			E1 - Tensile Loading	
			E3 - Crush	
			E4 - Impact Resistance	
			E6 - Repeated Bending	
			E7 - Torsion	
			F5B - Water Penetration	

Part Number

LMCAI02DAM048FM12ZHPB1E

Rel. 6 - EN/FEB23