



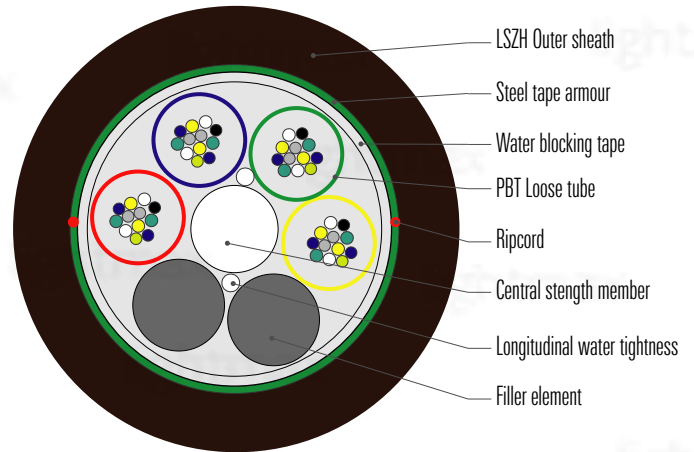
Indoor/Outdoor Cable

Steel Armoured, Multi Loose tube | LSZH

SM - G.652.D | 48 Fibres

Eca

Multi Loose tube Steel Armoured Indoor/Outdoor optical cable 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. The cable's multi-tubes are filled with suitable water tightness gelly compound. Loose tubes and fillers are stranded around CSM. The cable is protected by a corrugated steel-plastic tape.



[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
Zero-Dispersion slope		≤ 0.092 ps/(nm ² .km)
PMD	Max. (fibre on the reel)	≤0.10 ps/√km
	Max. (link designed value)	≤0.06 ps/√km
Attenuation	@1310 nm (after cabling)	≤ 0.35 dB/km
	@1550 nm (after cabling)	≤ 0.22 dB/km
Proof test		≥ 0.69 Gpa (100 kpsi)
Dynamic Fatigue (n_f)		≥ 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	<i>Fibre count per tube</i>	mm		12
	<i>Material</i>			PBT
	<i>Loose tube diameter</i>	mm		2.05
Central Strength Member	<i>Material</i>			GFRP
	<i>Diameter</i>	mm		2.1
	<i>PE layer diameter</i>	mm		N/A
Water blocking compound	<i>Material</i>		Water blocking tape +Dry core waterswellable yarn	
Armour	<i>Material</i>		Steel-plastic tape	
	<i>Material</i>		LSZH	
Sheath	<i>Colour</i>		Black	
	<i>Thickness</i>	mm	1.7	
	Cable Diameter	mm	11.1	
Cable Weight		kg/km	108	
Tensile		N	2000	
Crush		N/100mm	2000	
Temperature		°C	-30 ~ 70	
			-30 ~ 70	
Bend radius	<i>Stactic</i>		20 x D	
	<i>Dynamic</i>		25 x D	
Standards				
				E1 - Tensile Loading
				E3 - Crush
				E4 - Impact Resistance
				E6 - Repeated Bending
				E7 - Torsion
				F5B - Water Penetration
IEC 60794-1-2				

Part Number
LMCAIO2DAM048FM12ZHPB2E

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