



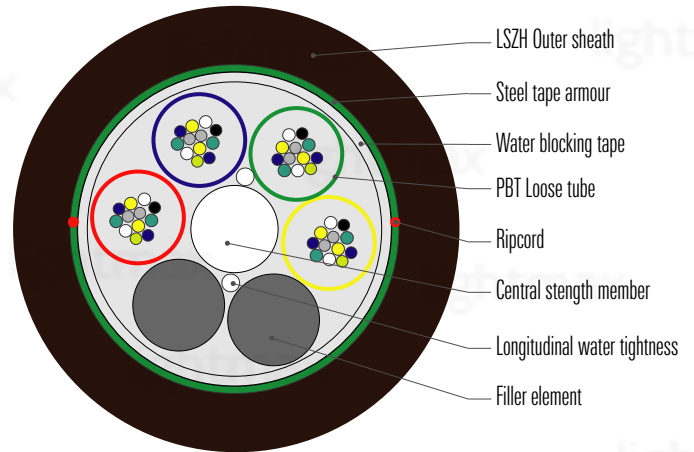
Indoor/Outdoor Cable

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		<i>Single Mode</i>
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 (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		
	06 White	12 Pink		
			Fillers	Natural

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		GFRP
	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
Cable Weight	kg/km		108
Tensile	N		2000
Crush	N/100mm		2000
Temperature		°C	-30 ~ 70
			-30 ~ 70
Bend radius	Stactic		20 x D
	Dynamic		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

Rel. 5 - EN/JUN22