



Dielectric Outdoor Cable

Multi Loose Tube

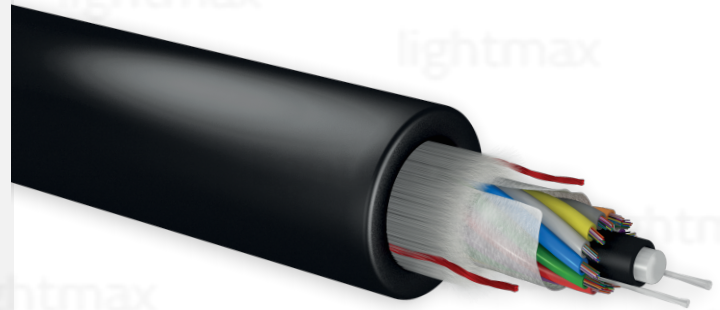
HDPE - 36 | 48 | 72 | 96 | 144 Fibres
SM G.652.D

Fca

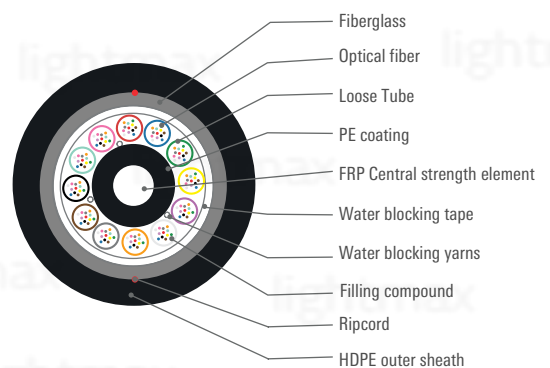
This cable has 12 fibres stranded PBT loose tubes filled with thixotropic compound. If needed dummies can be found too. Cable includes an FRP central strength member (with PE coating according to fibre count version) and its strand is dry with water blocking yarns and tape. Glass fibre yarns for rodent protection and two ripcords can be found under a black HDPE, UV proof outer sheath.

Features:

- Multitube dielectric cable
- HDPE outer sheath
- FRP dielectric strength member
- Loose tubes filled with gel with 12 fibres each
- Water-absorbing tape
- Rodent protection
- Fibre type SM - G.652.D
- Specific colour code on fibres
- Fibres count: 36 to 288 fibres



[Images for reference purposes only]



Applications:

- Ducts and underground ducts

G.652.D FIBRE OPTIC SPECIFICATION		
Fibre type		Single Mode
Core diameter		9 µm
Attenuation	@1310 nm	≤0.40 db/km
	@1550 nm	≤0.30 db/km
Dispersion coefficient	@1300 +30/-15 nm ≤3.5 ps/nm.km	@1550 nm ≤18 ps/nm.km
MFD [Mode Field Diameter]	@1310 nm	9.1 ±0.4 µm
Zero dispersion wavelength		1300 ~ 1324 nm
Zero dispersion slope		≤0.092 ps/nm ² .km
Macro bending Loss	100 turns Ø60 mm	≤0.10 dB @1625 nm
Cladding diameter		125 ±1 µm
Coating diameter		250 ±15 µm
Core/Cladding Concentricity Error		≤0.5 µm
Cladding Non-Circularity		≤0.7 %
Proof Stress		≥0.69 Gpa
Standard		
ITU-T		G.652.D

Fibres & Loose tubes colours

[France Telecom]

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

Dummies colour

The dummies / fillers colour will be Natural

CABLE SPECIFICATIONS							
Fibres count			36	48	72	96	144
Loose tubes			3	4	6	8	12
Dummies / Fillers count			3	2	0	0	0
Max. Fibres count per tube			12				
Central Strength Member	Material	–	FRP				FRP+PE
Water Protection	Material	–	Longitudinal water tightness filling compound				
Non-metallic Armour	Material	–	Glass yarns				
Sheath	Material	–	HDPE				
	Colour	–	Black				
Ripcord	Count	–	2				
	Colour	–	Red				
Nominal Cable Diameter (D)	mm		9.6 ±0.5		10.8 ±0.6	13.8 ±0.7	
Cable Weight	kg/km		71		96	151	
Max. Tensile	N		3000		4000	5000	
Crush	N/100mm		1000				
Bending Radius (Minimum)	Short term	–	20 x D				
	Long term	–	10 x D				
Temperature	Storage	°C	-30 ~ 70				
	Operation	°C	-30 ~ 70				
Standard							
IEC 60794-1-2					E1 - Tensile		
					E3 - Crush		
					E4 - Impact		
					E6 - Repeated bending		
					E7 - Torsion		
					E11A - Bend		
					E14 - Compound flow		
					F1 - Temperature cycling		
					F5B - Water Penetration		

Part Numbers

LMCAOU2DDM036FM12HDPB1F | LMCAOU2DDM048FM12HDPB1F | LMCAOU2DDM072FM12HDPB1F
LMCAOU2DDM096FM12HDPB1F | LMCAOU2DDM144FM12HDPB1F