



Dielectric Outdoor Cable

Multi Loose Tube

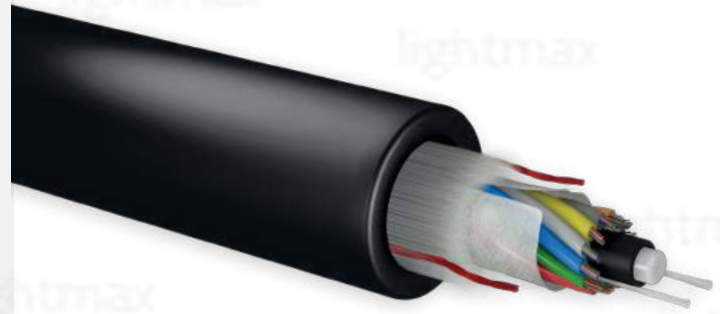
HDPE - 36 | 48 | 72 | 96 | 144 Fibres
SM G.652.D

Fca

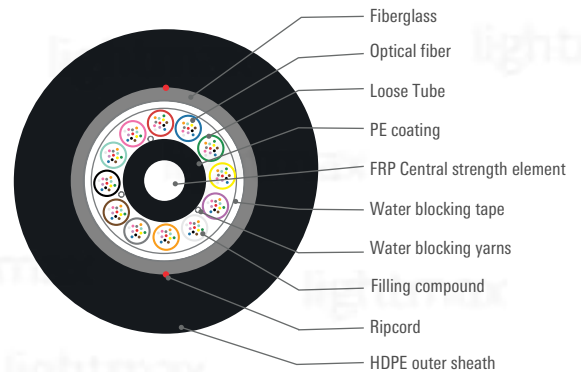
This cable has 12 fibres stranded PBT loose tubes filled with thixotropic compound. If needed dummies can be found too. Cable includes an FRP central strength member (with PE coating according to fibre count version) and its strand is dry with water blocking yarns and tape. Glass fibre yarns for rodent 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		
<i>Fibre type</i>		<i>Single Mode</i>
<i>Core diameter</i>		9 μm
<i>Attenuation</i>	@1310 nm	≤0.40 db/km
	@1550 nm	≤0.30 db/km
<i>Dispersion coefficient</i>	@1300 +30/-15 nm	@1550 nm
	≤3.5 ps/nm.km	≤18 ps/nm.km
<i>MFD [Mode Field Diameter]</i>	@1310 nm	9.1 ±0.4 μm
<i>Zero dispersion wavelength</i>		1300 ~ 1324 nm
<i>Zero dispersion slope</i>		≤0.092 ps/nm ² .km
<i>Macro bending Loss</i>	100 turns Ø60 mm	≤0.10 dB @1625 nm
<i>Cladding diameter</i>		125 ±1 μm
<i>Coating diameter</i>		250 ±15 μm
<i>Core/Cladding Concentricity Error</i>		≤0.5 μm
<i>Cladding Non-Circularity</i>		≤0.7 %
<i>Proof Stress</i>		≥0.69 Gpa
<i>Standard</i>		
	ITU-T	G.652.D



Fibres & Loose tubes colours

[France Telecom]

- | | |
|--|--|
|  Red |  Orange |
|  Blue |  Gray |
|  Green |  Brown |
|  Yellow |  Black |
|  Violet |  Aqua |
|  White |  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	Diameter	mm	1.8		2.8	5.0 (FRP2.8)	
	Material	-	FRP			FRP+PE	
Water Protection	Material	-	Water blocking tape + Water blocking yarns				
Non-metallic Armour	Material	-	Glass yarns				
	Material	-	HDPE				
Sheath	Colour	-	Black				
	Thickness	mm	1.0				
Ripcord	Count	-	2				
	Colour	-	Red				
Nominal Cable Diameter (D)		mm	8.3 ±5%		9.4 ±5%	11.3 ±5%	
Cable Weight		kg/km	68 ±15%		84 ±15%	114 ±15%	
Max. Tensile	Short term	N	1800				
	Long term		600				
Crush	Short term	N/100mm	1000				
	Long term		500				
Bending Radius	Short term	-	20 x D				
	Long term		10 x D				
Temperature	Storage	°C	-40 ~ 70				
	Operation		-20 ~ 70				
Standard					E1 - Tensile		
					E3 - Crush		
					E4 - Impact		
					E6 - Repeated bending		
IEC 60794-1-2					E7 - Torsion		
					E11A - Bend		
					E14 - Compound flow		
					F1 - Temperature cycling		
					F5B - Water Penetration		
IEC 60794-3-10							
IEC 60793-1							
IEC 60793-2							

Part Numbers

LMCAOU2DDM036FM12HDPB1F | LMCAOU2DDM048FM12HDPB1F | LMCAOU2DDM072FM12HDPB1F
LMCAOU2DDM096FM12HDPB1F | LMCAOU2DDM144FM12HDPB1F

Rel. 7-EN/FEB23