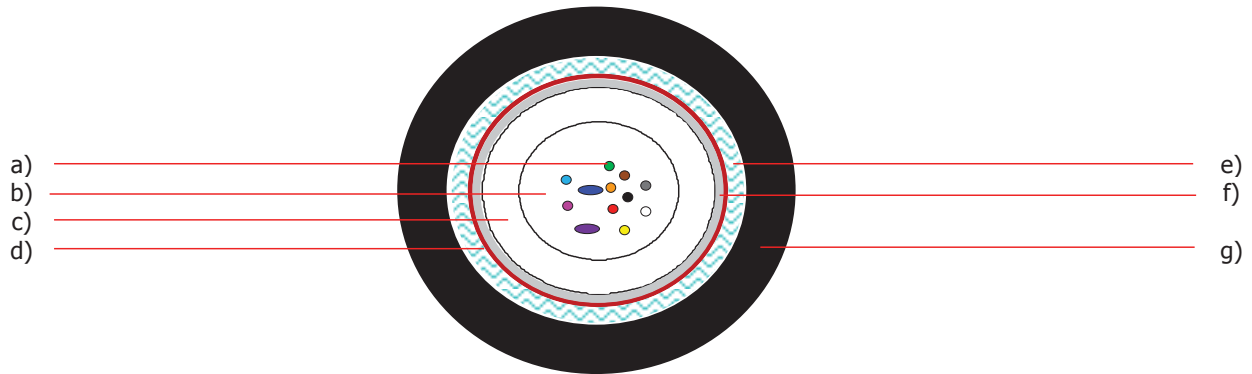




## ARMoured OPTICAL FIBER CABLE

### CROSS SECTIONAL VIEW:



### CABLE CONSTRUCTIONAL DETAILS

a) Primary Coated Fiber	G.652D/G657A1/OM1/OM2/OM3/OM4
b) Tube Filling Compound	Thixotropic Jelly
c) Loose Tube	PBTP
d) Water Blocking media over Loose Tube	Water Swellable Tape
e) Armouring	Corrugated, Chrome Plated (ECCS), Steel Tape
f) Peripheral Strength Member	Glass Yarn
g) Outer Sheath	HDPE, Black

### PRODUCT INFORMATION

Elements	Nos	Material	Nominal Value
Loose Tube			
Singlemode Optical Fiber		ITU-T G652D/ ITU-T G657A	1310nm : 0.36 & 1550nm: 0.23
Multimode Optical Fiber		Multimode 50/125 fiber	850nm : 3.0 (band width > 200 MHz-km) 1300nm : 1.0 (band width > 500 MHz-km)
Multimode Optical Fiber		Multimode 62.5/125 fiber	850nm : 3.0 (band width > 200 mhz-km) 1300nm : 1.0 (band width > 500 mhz-km)
Filling Jelly		Thixotropic Jelly	
Tube	1 Nos	PBTP	

### MECHANICAL CHARACTERISTICS

Mechanical Performance	
Temperature Range (IEC 60794-1-2-F1)	
Laying and Installation	-30° to +70°C
Operation	-30° to +70°C
Transport and Storage	-30° to +70°C
Cable Bending Radius (IEC 60794-1-2-E11A)	
During Installation	20 x D, D = Cable Diameter
Installed	10 x D, D = Cable Diameter
Repeated Bending (IEC 60794-1-2-E6)	30 Cycle, r= 20 X D, 5 Kg Load, D = Cable Diameter
Tensile Force (IEC 60794-1-2-E1)	1500 N
Torsion Resistance (IEC 60794-1-2-E7)	10 Cycle (± 360°) 3 Kg Weight, L= 2 Mtr
Crush Resistance (IEC 60794-1-2-E3)	4000 N/ 10cm
Impact Resistance (IEC 60794-1-2-E4)	50 N.m



### Color Details

Optical Fiber Color	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua & Natural as applicable
For 24F	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua & Natural
Ring Marked Fiber	Blue, Orange, Green, Brown, Slate, White, Red, Yellow, Violet, Pink, Aqua
Sheath Color	Black

### Cable Details

	Upto 12 core	24 core
Nominal Cable Weight (Kg/Km)	85 +/- 10	85 +/- 10
Nominal Cable Diameter (mm)	10.0 +/- 0.5	10.5 +/- 0.5
Standard Length per Drum (Mtr)	2000 +/- 10 %	2000 +/- 10 %

## ORDERING INFORMATION

Description	Order Code
6 Fiber Loose Tube Metallic Armored 50/125 Outdoor PE OM2, Black Color	DC-FO-06-LT50-OOMA-M2
12 Fiber Loose Tube Metallic Armored 50/125 Outdoor PE OM2, Black Color	DC-FO-12-LT50-OOMA-M2
8 Fiber Loose Tube Metallic Armored 50/125 OM3 Outdoor PE, Black	DC-FO-08-LT50-OOMA-M3
12 Fiber Loose Tube Metallic Armored 50/125 OM3 Outdoor PE, Black	DC-FO-12-LT50-OOMA-M3
8 Fiber Loose Tube Metallic Armored 50/125 OM4 Outdoor PE, Black	DC-FO-08-LT50-OOMA-M4
12 Fiber Loose Tube Metallic Armored 50/125 OM4 Outdoor PE, Black	DC-FO-12-LT50-OOMA-M4
6 Fiber Loose Tube Metallic Armored 9/125 Outdoor PE, Black Color, G657A1	DC-FO-06-LT09-OOMA-7A
8 Fiber Loose Tube Metallic Armored 9/125 Outdoor PE, Black Color, G657A1	DC-FO-08-LT09-OOMA-7A
12 Fiber Loose Tube Metallic Armored 9/125 Outdoor PE, Black Color, G657A1	DC-FO-12-LT09-OOMA-7A
24 Fiber Loose Tube Metallic Armored 9/125 Outdoor PE, Black Color, G657A1	DC-FO-24-LT09-OOMA-7A

Other Core Size Upon Request.