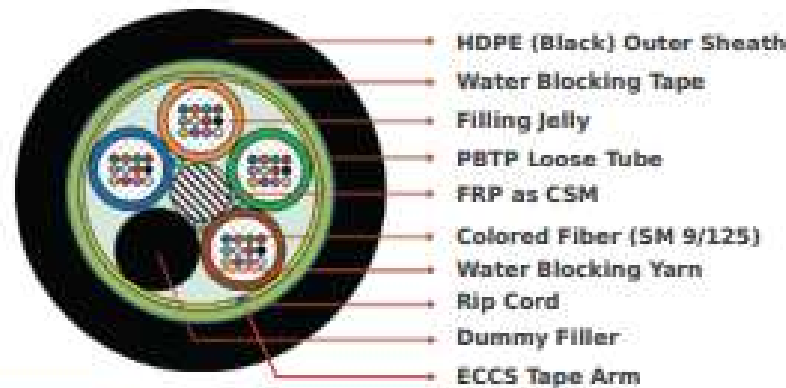


Fiber Optic Armored Multi Tube Single Sheath Bend Insensitive HDPE Cable



APPLICATION

- Suitable for Indoor / Outdoor (duct) Local Area Network Direct Burial.
- Excellent water proof layer & good moisture Resistance.
- Excellent crush resistant performance, light Weight, Compact structure.
- Rodent Proof
- UV Protection

CABLE CONSTRUCTION DETAILS

No of fibers per Tube	6 Fibers per tube for 6, 12 & 24 Core and 12 Fibers per tube for 48 Core
Fiber Identification	Blue, Orange, Green, Brown, Slate & White
Loose Tube	PBT Loose Tube Filled With Thixotropic Jelly
No of Loose Tubes & Fillers	For 6 Fiber 1 No LT and 4 Nos Dummy Filler , For 12 Fibers 2 Nos LT and 3 Nos Dummy Filler For 24F -4 no's LT & 1 no's Dummy Filler, For 48F -4 Nos. Loose Tube & 1 No. Dummy
Central Strength Member	Blue, Orange, Green & Brown Loose Tubes & Black Filler
Water Blocking Compound	Steel Wire/FRP as CSM
Core Wrapping	Thixotropic Flooding Jelly
Water Prevention	Water Blocking Tape Under Armored
Armouring	Polyester Tape with binder
Armouring Tape Thickness	Corrugated ECCS Tape Armoring provided over the Core
Outer Sheath	0.15mm Nominal & Thickness of Copolymer Layer/Coating (Each Side): 0.04mm Nominal High Density Polyethylene (UV Resistant) -Black Colour (Thickness: 1.6mm Nominal)

MECHANICAL & ENVIRONMENT CHARACTERISTICS

Properties	Standard	Parameters
Tensile Strength	[IEC 60794-1-2-E1]	2220 N
Bending Radius	[IEC 60794-1-2-E11]	20D (D=Cable Dia.)
Crush Resistance	[IEC 60794-1-2-E3]	2500 N/100mm
Water Penetration Test	[IEC 60794-1-2-F5B]	Sample Length=3m, Water Height=1m, 24 Hours
Operating Temperature	[IEC 60794-1-2-F1]	-30°C to +70°C
Storage Temperature	[IEC 60794-1-2-F1]	-10°C to +60°C
Installation Temperature	[IEC 60794-1-2-F1]	-30°C to +70°C

FIBER COUNT	OUTER DIAMETER (MM)	NOMINAL WEIGHT (KG/KM)
6	10.2 +0.5	115
12	10.2 +0.5	115
24	10.2 +0.5	115
48	10.2 +0.5	115

COLOR CODE

Blue	Orange	Green	Brown	Slate	White
Red	Black	Yellow	Violet	Pink	Natural

OPTICAL FIBER CHARACTERISTICS G 657 A1

Fiber Type	9/125 μm (OS2)		
Operational Wavelength	1310 nm		1550 nm
Maximum Attenuation	0.33		0.18
Mode Field Diameter	8.8 0.4 μm		10.4 0.6 μm
Dispersion	≤ 3.5 ps/nm.km		≤ 18 ps/nm.km
Fiber cut of Wavelength	≤ 1320 nm		
Cable Cut of Wavelength	≤ 1260 nm		
Zero Dispersion Wavelength	1300-1324 nm		
Zero Dispersion Slope	≤ 0.092 ps/nm ² .km		
Fiber Geometry			
Coating Diameter	245 \pm 10 μm		
Cladding Diameter	125 \pm 0.7 μm		
Fiber Curl	≥ 4 m radius curv		
Cladding Non-Circularity	$\leq 1\%$		
Mode Field Concentricity error	≤ 0.6 μm		
Coating/Cladding Concentricity error	≤ 12 μm		

ORDERING INFORMATION

Fiber Count	Description	Part No
06 F	06 Core Outdoor Armored Fiber Cable Multitube Single Sheath Bend Insensitive Fiber HDPE Type	DWF-COAA1M5H-06
12 F	12 Core Outdoor Armored Fiber Cable Multitube Single Sheath Bend Insensitive Fiber HDPE Type	DWF-COAA1M5H-12
24 F	24 Core Outdoor Armored Fiber Cable Multitube Single Sheath Bend Insensitive Fiber HDPE Type	DWF-COAA1M5H-24
48 F	48 Core Outdoor Armored Fiber Cable Multitube Single Sheath Bend Insensitive Fiber HDPE Type	DWF-COAA1M5H-48

ROHS

Multi
TUBE

SM

G657A1