

ARMoured (Optical Fiber Cables)

Unitube Armoured Cable: Up to 24F

Multi-tube Single Sheath Armoured Cable: Up to 288F

Multi-tube Double Sheath Armoured Cable: Up to 288F

Key Features

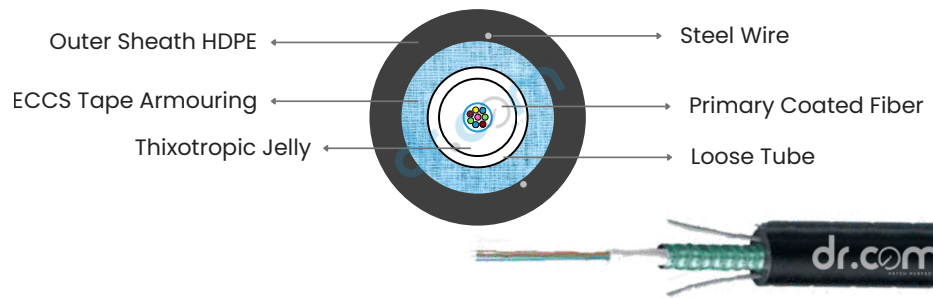
- Suitable for **direct burial and duct installation**
- **Steel Tape Armouring** provides excellent **rodent protection**
- **High crush resistance and tensile strength** for reliable performance
- **Robust cable construction** designed for long-term outdoor use
- **UV stabilized HDPE outer sheath** for environmental protection



*Images are for representation purpose only.

UNI-TUBE

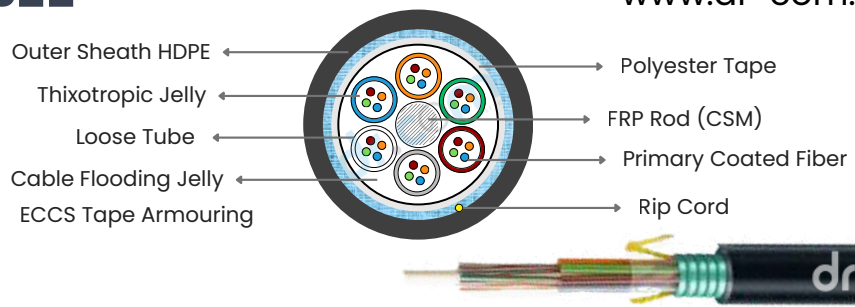
ARMOURED CABLE



Specification

Cable Type	Uni-tube design with ECCS steel tape armouring		
Reference Standard	IEC 60794, IEC 60793, ITU-T G.650, G.652, G.655		
Steel Wire	2		
Yarn	2 GFR		
Fiber Capacity	Up to 24 Fibers		
Strength Member	Optional FRP rods / aramid yarn / IGFR yarn		
Armouring Type	ECCS Steel Tape Armouring		
Flooding Protection	Jelly filled core		
Core Design	Single loose tube		
Jacket	UV stabilized HDPE		
Rip Cord	Optional		
Installation Type	Direct burial & duct installation		
Flexibility	Lightweight and easy installation		
Typical Applications	Access networks, small fiber count installations		
Temperature (Operating)	-30°C to +70°C		
Installation Temperature	-20°C to +70°C		
Options Available	Non-metallic FRP rods, composite fibers, customized designs, aramid or glass yarns, rip cord, LSZH, FR PVC		
Technical Data	Fiber Count	24F	
	Outer Diameter	7.3mm ± 0.2mm	
	Weight (kg/km)	55 kg ± 10%	
Tensile Strength (N)	Temporary	1000	
	Permanent	500	
Bending Radius	Temporary	15D	
	Permanent	20D	
Physical Properties	Cable length	2 km & above	1 km & above
	Packing	Drum	Coil
Printing Details	Available in Standard or Customised Printing Options		

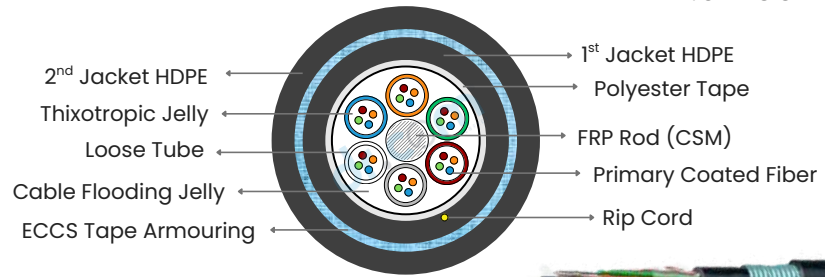
MULTI-TUBE SINGLE SHEATH ARMoured CABLE



Specification

Cable Type	Multiple loose tubes with single outer sheath and steel tape armouring				
Reference Standard	IEC 60794, IEC 60793, ITU-T G.650, G.652, G.655				
FRP Steel Wire	1				
Yarn	2 GFR				
Fiber Capacity	6F – 288F				
Strength Member	Composite fibers / aramid or glass yarn / IGFR yarn				
Armouring Type	Steel Tape Armouring				
Flooding Protection	Dry core or gel option				
Core Design	Multi loose tube				
Jacket	UV stabilized HDPE				
Rip Cord	Optional				
Installation Type	Direct burial & duct installation				
Flexibility	Lightweight and flexible				
Typical Applications	Local loop, metro networks, long-haul, broadband networks				
Temperature (Operating)	-30°C to +70°C				
Installation Temperature	-20°C to +70°C				
Options Available	Semi dry core construction, composite fibers, aramid or glass yarn, rip cord, LSZH, FR PVC				
Technical Data	Fiber Count	Upto 72F	96F	144F	288F
	Outer Diameter	10.7mm ± 0.5mm	12.5mm ± 0.5mm	14.7mm ± 1.0mm	18.5mm ± 1.0mm
	Weight (kg/km)	120 kg ± 10%	140 kg ± 10%	200 kg ± 10%	275 kg ± 10%
Tensile Strength (N)	Temporary	2000	2000	2000	3500
	Permanent	1000	1000	1000	1750
Bending Radius	Temporary	15D	15D	15D	15D
	Permanent	20D	20D	20D	20D
Physical Properties	Cable length	2 km & above		1 km & above	
	Packing	Drum		Coil	
Printing Details	Available in Standard or Customised Printing Options				

MULTI-TUBE DOUBLE SHEATH ARMOURED CABLE



Specification

Cable Type	Multiple loose tubes with inner sheath + outer sheath and steel tape armouring			
Reference Standard	IEC 60794, IEC 60793, ITU-T G.650, G.652, G.655			
FRP	1			
Yarn	GFR as per design			
Fiber Capacity	6F – 144F			
Strength Member	FRP rods (CSM)			
Inner Sheath	HDPE			
Armouring Type	ECCS Steel Tape Armouring			
Flooding Protection	Flooding jelly			
Core Design	Multi loose tube			
Jacket	1 st Jacket - UV stabilized LSZH HDPE 2 nd Jacket - UV stabilized HDPE			
Rip Cord	Included			
Installation Type	Direct burial & duct installation			
Flexibility	Slightly heavier but more robust			
Typical Applications	Backbone, long-haul and high protection network installations			
Temperature (Operating)	-30°C to +70°C			
Installation Temperature	-20°C to +70°C			
Options Available	FRP yarn, HDPE / LSZH jacket options			
Technical Data	Fiber Count	Upto 72F	96F	144F
	Outer Diameter	13.5mm ± 1mm	15.8mm ± 1mm	18.9mm ± 1mm
	Weight (kg/km)	165 kg ± 10%	230 kg ± 10%	260 kg ± 10%
Tensile Strength (N)	Temporary	2000	2500	3000
	Permanent	1000	1250	1500
Bending Radius	Temporary	15D	15D	15D
	Permanent	20D	20D	20D
Physical Properties	Cable length	2 km & above		
	Packing	Drum		
Printing Details	Available in Standard or Customised Printing Options			

Fiber Transmission Performance

Parameters	Multimode				Single Mode
	OM1	OM2	OM3	OM4	G.652D
Fiber Core Diameter	62.5	50	50	50	9
Wavelengths(nm)	850 1300	850 1300	850 1300	850 1300	1310 1500 1625
Maximum Attenuation (db/km)	3.5 1.5	3.0 1.0	3.0 1.0	3.0 1.0	0.36 0.23 0.26
Bandwidth (MHz*km) 850/1300	200 500	500 500	1500 500	3500 500	NA

Manufacturing Units

Plot No. 67 & 70, Damanganga Industrial Park-II, New Survey No 3377 & 3380, Old Survey No 399/3/P, 1, Village - Dungra, Taluka - Vapi (Pardi), Valsad, Gujarat - 396191.

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