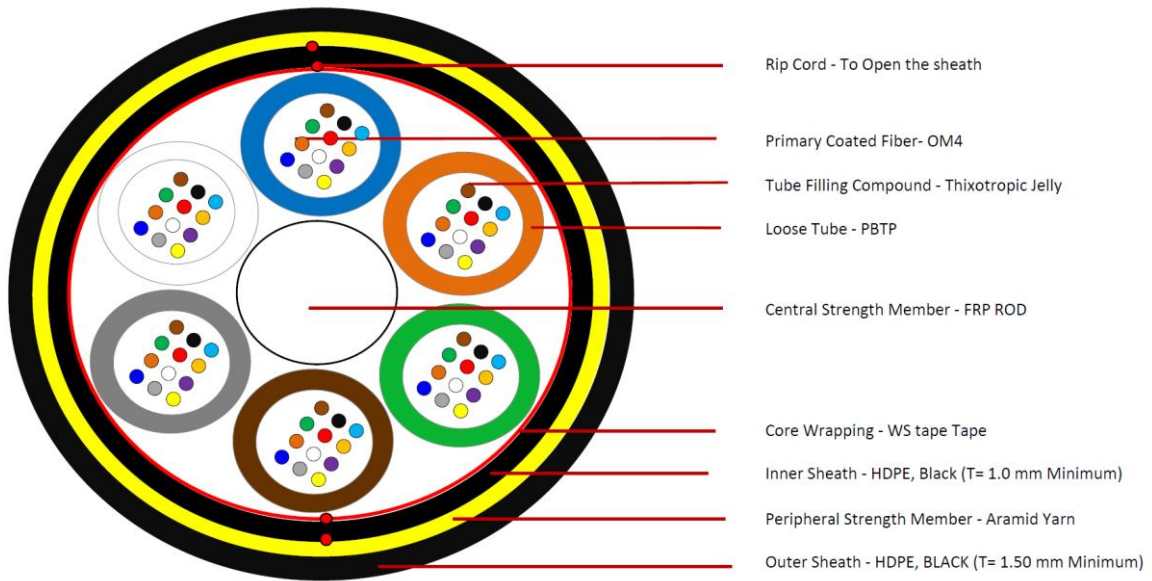


Product Overview

Giganet Outdoor, Double sheath ADSS fibre optic cable containing MMF in full compliance with OM4. The offered cables are fully compliant to the relevant IEC specifications.

Cable Cross Sectional Diagram of 72F Cable [Drawing not to scale]



Product Features and Applications

FEATURES
Multi mode fibres in full compliance with OM4
Non-metallic and anti-buckling element FRP rod used as Central Strength Member
Loose buffer tubes fully filled with Thixotropic Jelly and Fibres
Loose buffer tubes S-Z Stranded
Cable core is dry (WS yarn over CSM)
Cable core is wrapped with WS tape
UV Stabilized inner sheath HDPE, BLACK
Peripheral Strength Member - Aramid yarn
UV Stabilized outer sheath HDPE, BLACK
Rip cord to open the sheath
Single layer stranded construction
Flexible buffer tubes provide easy fibre routing inside closure

APPLICATIONS
Suitable for duct/aerial Installation

Identification Fibre & Loose Tube Colour

Fibre Colour	Loose Tube Colour	Filler Colour
Blue	Blue	Black
Orange	Orange	
Green	Green	
Brown	Brown	
Slate	Slate	
White	White	
Red	Red	
Black	Black	
Yellow	Yellow	
Violet	Violet	
Pink	Pink	
Aqua	Aqua	

Product Specification and Ordering Information

GIGANET DOUBLE SHEATH ADSS FIBRE CABLE						
Cable Physical Characteristics						
FIBRE COUNT	12	24	48	72	96	144
Number Of Fibres in each Loose Tube	12					
Number of Loose Tube in each cable	1	2	4	6	8	12
Number of Filler (if required)	5	4	2	0		
Cable Diameter (in mm)	12.5			13.8		16.5
Tolerance ± (mm)	0.5					
Nominal Cable Weight (kg/km)	120			155		215
Standard Length (meters)	2000 ± 10%					

Cable Mechanical & Environmental Characteristics							
Test	Standard	Product Performance					
Temperature Range (°C)	IEC-60794-1-22-F1	Installation	-05°C to +50°C	Operation	-20°C to +60°C	Storage	-20°C to +60°C
Cable Bending Radius (mm)	IEC-60794-1-21-E11 A & B	20 X D , D= Cable diameter					
Tensile Force(N)	IEC-60794-1-21-E1	Up to 72F - 3500 N 96F & 144F - 5000 N					
Impact Resistance (Nm)	IEC 60794-1-21-E4	15 Nm					
Crush Resistance (N)	IEC-60794-1-21-E3	3000 N (100 mm X 100 mm)					
Torsion Resistance	IEC-60794-1-21-E7	5 Cycles (± 180°)					
Water Penetration	IEC 60794-1-22-F5 B	1 Meter Water Head, 3 Meters Cable Sample, 24 Hours (Inner sheath)					

Cable Transmission Characteristics							
Fibre Type		Attenuation Coefficient (dB/Km)				Bandwith (MHz.km)	
		850	1300	1310	1550	850 nm	1300 nm
Multi Mode	OM4	≤ 3.2	≤ 1.2	-	-	≥ 3500	≥ 500

Ordering Information												
GN-FC-123456												
GN-FC	1	Cable Type	2	Armour	3	Mode	4	Fibres	5	Inner Sheath	6	Outer Sheath
	MT	MULTI LOOSE TUBE	U	UNARMORED	OS2	G652D	12	12	P	PE	P	PE
			C	CST	A1	G657A1	24	24				
			S	SWA	A2	G657A2	48	48				
					M3	OM3	72	72				
					M4	OM4	96	96				
					M5	OM5	144	144				
Eg:	GN-FC-MTUM412PP		Giganet Multi Loose Tube Unarmoured, OM4 Multi Mode, 12 Core, PE Inner Sheath, PE Outer Sheath Fibre Cable.									