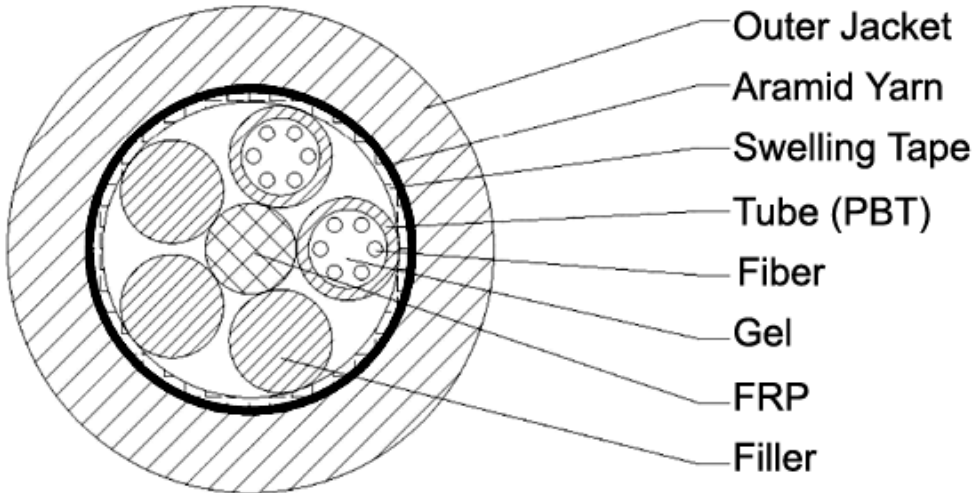


12-fiber ADSS Multimode OM4



The fibers are placed in a loose tube made of PBT. The tubes are filled with a swelling tape. Elements (Tubes and filler rods) laid up around no-metallic central strength member, filling compound filled in the apertures of the cable core, aramid yarn as the supporting member and PE outer sheath.

Optical fiber characteristics

Category	Description		Specifications
			OM4
Optical Specifications	Attenuation	@850nm	≤2.40 dB/km
		@1300nm	≤0.55 dB/km
	Min. Bandwidth@850nm		3500MHz·km
	Min. Bandwidth@1300nm		500 MHz·km
	Numerical aperture		0.20±0.02
Back Scatter Characteristics (@1300nm)			
Point discontinuity (average of bidirectional measurement)			≤0.10dB
Attenuation uniformity			≤0.10dB/km

Attenuation coefficient difference for bidirectional measurement		≤0.10dB/km
Geometric Specifications	Core diameter	50±2.5μm
	Cladding Diameter	125±2μm
	Cladding Non-Circularity	≤2.0%
	Coating Diameter	245±10μm
	Coating/Cladding Concentricity Error	≤12.0μm
	Core Non-Circularity	≤6.0%
	Core/Cladding Concentricity Error	≤1.5μm

Characteristic of Optical Cable

ADSS -12 OM4 SPAN-100		
Cable weather condition		
1	Installation Temperature	15°C
2	Wind speed at installation	0m/s
3	Temperature at Max wind speed	15°C
4	Max Wind Speed	25m/s
5	Temperature at Max Ice load	-5°C
6	Wind speed at Max Ice load	10m/s
7	Max Ice thickness	10mm
8	Max Sag	150m
9	Installation Sag	1.03%
10	Safety coefficient	2.5
Technical Parameters		
1	Cable Weight	125kg/km
2	Everyday Stress	1230N
3	Installation tension	3231N
4	Maximum Allowable tension	3200N
5	Ultimate Operation Strength	3700N
6	Rated Tensile Strength	6150N
7	Single Bend Radius	250mm

Fiber coding

No. of fiber	1	2	3	4	5	6
Color of fiber	Blue	Orange	Green	Brown	Grey	White

Color codes for loose tube & filler rod

No. of tube	1	2	3	4		
Color of tube	Blue	Orange	-	-	-	-

Cable Structure and parameter

SN	Item	Unit	Value
1	No. of fibers	count	12 (OM4)
2	No. of fibers per tube(max)	count	6
3	No. of elements	count	5
4	Tube diameter	mm	2.2
5	CSM (FRP)	mm	1.8
6	Diameter	mm	10.4

Ordering Information:

Part Number	Description
NEW-9497012	12-fiber ADSS Multimode OM4