

MiDia® Loose Tube Cable

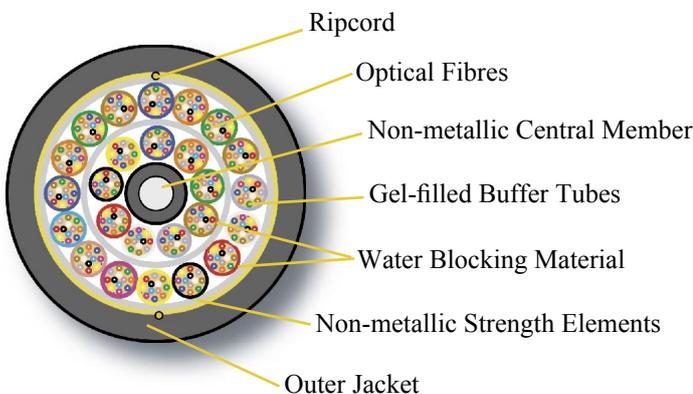
Providing High Fibre Counts in Congested Duct Spaces

Product Description

The construction of the OFS MiDia Outside Plant (OSP) cable begins with our proven loose tube design. The optical fibres are placed in gel-filled buffer tubes with up to 12 fibres per tube. The loose tube provides protection against environmental and mechanical forces and creates a stress-free environment for fibres. The color-coded buffer tubes are stranded around a dielectric central member using the reverse oscillating lay (ROL) stranding technique. This enables quick and easy mid-span entry. Water blocking material is applied to the cable core to prevent water penetration and migration through the inside of the cable. An aluminum moisture barrier is added for extra protection. Two ripcords are placed underneath the jacket for easy cable preparation and sheath removal. A polyethylene jacket completes the construction.



MiDia Loose Tube Cable



300 Fibre MiDia Cable Cross-section

Why the MiDia Cable?

OFS's MiDia Loose Tube Fibre Optic Cable is the cabling solution designed for heavily congested duct spaces in fibre optic networks. The MiDia cable is one of the smallest loose tube cables on the market capable of supporting up to 300 fibres. With a diameter of 12 mm for 144 fibres and 15 mm for 300 fibres, this cable is ideal for new air-blown installation techniques, saving service providers time and cost during network construction.

Features and Benefits

- Small and lightweight construction for faster air-blown installation in heavily congested metropolitan areas
- Tested in accordance with IEC 60794-1-2 and EN187000 for reliable performance
- Supports fibre counts up to 300 for high-density communications capacity
- Features OFS single-mode fibre and application specific fibres, LaserWave™ fibre, AllWave® fibre and TrueWave® fibre

Specifications and Ordering Information

AT –	Fibre			Sheath		Core		–	Fibre Count	
S₁	S₂	S_F	S₃	S₄	S₅	S₆	–	– – –		
I									002 to 300	
S₁	3 = 1310/1550 nm (Single-Mode and AllWave) 6 = 1550 nm (TrueWave RS NZDF) R = 850/1300 nm (Multimode)								Transmission Performance	
S₂	4 = 0,40/0,30 dB/km (1310/1550 nm Single-Mode and AllWave) B = 0,35/0,25 dB/km (1310/1550 nm Single-Mode and AllWave) 2 = 0,25 dB/km (1550 nm TrueWave RS NZDF) U = 3,4/1,0 dB/km (850/1300 nm LaserWave Multimode) X = Specific								Attenuation	
S_F	M = OFS Matched Clad Single-Mode O = OFS Depressed Clad Single-Mode E = OFS AllWave Matched Clad Single-Mode 6 = OFS TrueWave RS NZDF 8 = 50/125 µm Multimode 9 = 62,5/125 µm Multimode								Fibre Type	
S₃	Dielectric Central Member:								Sheath Construction	
			1 = D-P Single Jacket	P : Polyethylene D : Dielectric Strength Elements						
S₄	5 = 1,5 x W (Cable Weight)								Tensile Load	
S₅	C = Dry Core Loose Tube MiDia								Core Type	
S₆	2 = 2 Fibres 4 = 4 Fibres 6 = 6 Fibres 8 = 8 Fibres				N = 10 Fibres T = 12 Fibres X = Specific					Fibres per Tube

Example:

AT-34M15CT-144

144 Fibre; Single Jacket; Dielectric Central Member; Dry Core Loose Tube MiDia Design; 12 OFS Matched Clad Single-Mode Fibres per Tube

For additional information please contact your sales representative. You can also visit our website at <http://www.ofsoptics.com>.

Telephone: +49 (0) 228 7489 201

E-mail: cableinfo@ofsoptics.com

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