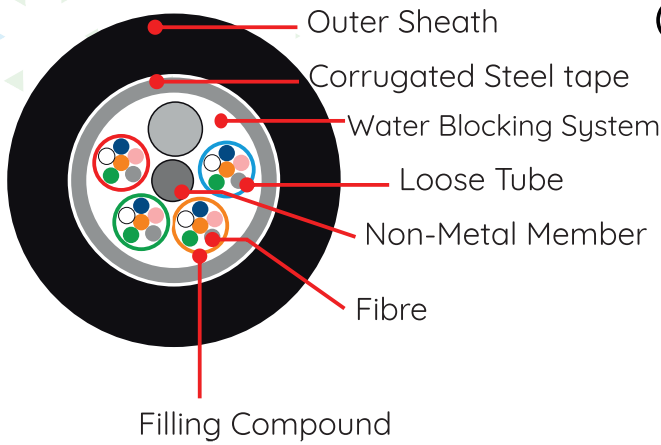


Multi Loose Tube Outdoor Armored FO Cable



Ⓢ Application

- Adopted to outdoor Distribution.
- Suitable for aerial pipeline laying method.
- Long distance and local area network communication.
- Designed for outside plant providing extra protection to cables.

Ⓢ Characteristics

- Steel wire strength filler protect tube fiber steel tape armor.
- Good ultra violet radiation resistant property.
- Good moisture-resistance
- Loose Tube construction provides environmental protection
- Loose tube jelly filled for superior fiber protection
- UV resistant for outdoor application
- PE black jacket or customized.

Fibre Compliance

ITU-T G.652.D/G.657.A,IEC 60793-2-50 G677B.3

Standards

- Temperature Cycling : IEC60794-1-2-F1 (-10°C to +70°C)
- Tensile Strength Crush : IEC60794-1-2-E1A
: IEC60794-1-2-E3
- Impact Test : IEC60794-1-2-E4
- Cable UV resistance : IEC60794-1-2,9.12
: IEC60794-1-2,F14
: ISO 4892-2
- Torsion Test : IEC60794-1-2-E7

Technical Parameters

Cable Count	Outer Sheath Diameter	Weight	Minium Allowable Tensile Strength (N)		Minium Allowable Crush Load (N/100mm)		Minium Bending Radius (MM)	
			Short Term	Long Term	Short Term	Long Term	Short Term	Long Term
Core	(MM)	(Kg)						
24	10.5	105	1500	600	1000	300	20D	10D
36	10.5	105	1500	600	1000	300	20D	10D
42	10.5	105	1500	600	1000	300	20D	10D
48	10.5	105	1500	600	1000	300	20D	10D
60	10.5	105	1500	600	1000	300	20D	10D
72	10.5	10.5	1500	600	1000	300	20D	10D
96	14.5	208	1500	600	1000	300	20D	10D
144	18.3	295	1500	600	1000	300	20D	10D



Fibre Parameters

Fiber Style		Unit	SM	MM 50/125	MM 62.5/125
Condition		nm	1310/1550	850/1300	850/1300
Attenuation		dB/km	≤ 0.36/0.23	≤ 3.0/1.0	≤ 3.0/1.0
Dispersion	1310 nm	Ps/(nm*km)	≤ 18	.....	.....
	1550 nm	Ps/(nm*km)	≤ 22	.....	.....
Bandwidth	850 nm	MHZ.KM	.....	≥ 400	≥ 160
	1300 nm	MHZ.KM	.....	≥ 800	≥ 500
Zero dispersion wavelength		nm	≥1302≤, ≤1322	.....	.....
Zero dispersion slope		nm	≤0.091	.....	.....
PMD Maximum Individual Fiber			≤0.2	.....	.....
PMD Design Link Value		Ps/(nm ² *km)	≤0.08	.....	.....
Fiber cutoff wavelength λ _c		nm	≥1180,≤1330	.....	.....
Cable cutoff wavelength λ _{cc}		nm	≤1260	.....	.....
MFD	1310 nm	um	9.2 ± 0.4	.....	.....
	1550 nm	um	10.4 ± 0.8	.....	.....
Numerical Aperture(NA)			.....	0.200 ± 0.015	0.275 ±
Step (mean of bidirectional measurement)		dB	≤0.05	≤0.10	≤0.10
Irregularities over fiber length and point discontinuity		dB	≤0.05	≤0.10	≤0.10
Difference backscatter coefficient		dB/km	≤0.03	≤0.08	≤0.10
Attenuation uniformity		dB/km	≤0.01	.....	.....
Core diameter		um		50 ± 1.0	62.5 ± 2.5
Cladding diameter		um	105.0±0.1	105.0±0.1	105.0±0.1
Cladding non-circularity		%	≤1.0	≤1.0	≤1.0
Coating diameter		um	242 ± 7	242 ± 7	242 ± 7
Coating/chaffinch concentricity error		um	≤12.0	≤12.0	≤12.0
Coating non circularity error		%	≤6.0	≤6.0	≤6.0
Core/cladding concentricity error		um	≤0.6	≤1.5	≤1.5
Curl(radius)		um	≤4	.....	.....

Geometric Characteristics

Characteristic	Specified Value	Unit
Cladding roundness	≤ 0.7	%
Cladding Diameter	125 ± 0.7	μm
Coating Diameter	245 ± 5	μm
Coating/Packaging Concentricity error	≤12.0	μm
Core/Packaging concentricity error	≤6.0	μm
The wrapage(radius)	≥ 4	m

Environmental Characteristics

Item	Parameter	
Tensile	Short Term	1500N
	Long Term	600N
Crush Resistance	Short Term	1000N
	Long Term	300N
Temperature Range (°C)	Transport&Storage	-40~+85
Minimum Bending	Short Term	20D mm
	Long Term	10D mm

Ordering Information

Part Number	Product Description
RF2-24MLSMOA-<JT>	24 Core Multi Loose Tube Outdoor Armored Cable, 09/125um Single-Mode, <Jacket Type>
RF2-36MLSMOA-<JT>	36 Core Multi Loose Tube Outdoor Armored Cable, 09/125um Single-Mode, <Jacket Type>
RF2-42MLSMOA-<JT>	42 Core Multi Loose Tube Outdoor Armored Cable, 09/125um Single-Mode, <Jacket Type>
RF2-48MLSMOA-<JT>	48 Core Multi Loose Tube Outdoor Armored Cable, 09/125um Single-Mode, <Jacket Type>
RF2-60MLSMOA-<JT>	60 Core Multi Loose Tube Outdoor Armored Cable, 09/125um Single-Mode, <Jacket Type>
RF2-72MLSMOA-<JT>	72 Core Multi Loose Tube Outdoor Armored Cable, 09/125um Single-Mode, <Jacket Type>
RF2-96MLSMOA-<JT>	96 Core Multi Loose Tube Outdoor Armored Cable, 09/125um Single-Mode, <Jacket Type>
RF2-144MLSMOA-<JT>	144 Core Multi Loose Tube Outdoor Armored Cable, 09/125um Single-Mode, <Jacket Type>
RF2-24MLM1OA-<JT>	24 Core Multi Loose Tube Outdoor Armored Cable, 62.5/125um OM 1 Multi-Mode, <Jacket Type>
RF2-36MLM1OA-<JT>	36 Core Multi Loose Tube Outdoor Armored Cable, 62.5/125um OM 1 Multi-Mode, <Jacket Type>
RF2-42MLM1OA-<JT>	42 Core Multi Loose Tube Outdoor Armored Cable, 62.5/125um OM 1 Multi-Mode, <Jacket Type>
RF2-48MLM1OA-<JT>	48 Core Multi Loose Tube Outdoor Armored Cable, 62.5/125um OM 1 Multi-Mode, <Jacket Type>
RF2-60MLM1OA-<JT>	60 Core Multi Loose Tube Outdoor Armored Cable, 62.5/125um OM 1 Multi-Mode, <Jacket Type>
RF2-72MLM1OA-<JT>	72 Core Multi Loose Tube Outdoor Armored Cable, 62.5/125um OM 1 Multi-Mode, <Jacket Type>
RF2-96MLM1OA-<JT>	96 Core Multi Loose Tube Outdoor Armored Cable, 62.5/125um OM 1 Multi-Mode, <Jacket Type>
RF2-144MLM1OA-<JT>	144 Core Multi Loose Tube Outdoor Armored Cable, 62.5/125um OM 1 Multi-Mode, <Jacket Type>

Part Number	Product Description
RF2-24MLM2OA-<JT>	24 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 2 Multi-Mode, <Jacket Type>
RF2-36MLM2OA-<JT>	36 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 2 Multi-Mode, <Jacket Type>
RF2-42MLM2OA-<JT>	42 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 2 Multi-Mode, <Jacket Type>
RF2-48MLM2OA-<JT>	48 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 2 Multi-Mode, <Jacket Type>
RF2-60MLM2OA-<JT>	60 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 2 Multi-Mode, <Jacket Type>
RF2-72MLM2OA-<JT>	72 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 2 Multi-Mode, <Jacket Type>
RF2-96MLM2OA-<JT>	96 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 2 Multi-Mode, <Jacket Type>
RF2-144MLM2OA-<JT>	144 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 2 Multi-Mode, <Jacket Type>
RF2-24MLM3OA-<JT>	24 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 3 Multi-Mode, <Jacket Type>
RF2-36MLM3OA-<JT>	36 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 3 Multi-Mode, <Jacket Type>
RF2-42MLM3OA-<JT>	42 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 3 Multi-Mode, <Jacket Type>
RF2-48MLM3OA-<JT>	48 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 3 Multi-Mode, <Jacket Type>
RF2-60MLM3OA-<JT>	60 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 3 Multi-Mode, <Jacket Type>
RF2-72MLM3OA-<JT>	72 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 3 Multi-Mode, <Jacket Type>
RF2-96MLM3OA-<JT>	96 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 3 Multi-Mode, <Jacket Type>
RF2-144MLM3OA-<JT>	144 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 3 Multi-Mode, <Jacket Type>
RF2-24MLM4OA-<JT>	24 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 4 Multi-Mode, <Jacket Type>
RF2-36MLM4OA-<JT>	36 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 4 Multi-Mode, <Jacket Type>
RF2-42MLM4OA-<JT>	42 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 4 Multi-Mode, <Jacket Type>
RF2-48MLM4OA-<JT>	48 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 4 Multi-Mode, <Jacket Type>
RF2-60MLM4OA-<JT>	60 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 4 Multi-Mode, <Jacket Type>
RF2-72MLM4OA-<JT>	72 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 4 Multi-Mode, <Jacket Type>
RF2-96MLM4OA-<JT>	96 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 4 Multi-Mode, <Jacket Type>
RF2-144MLM4OA-<JT>	144 Core Multi Loose Tube Outdoor Armored Cable, 50/125um OM 4 Multi-Mode, <Jacket Type>

JT=Jacket Type PV-PVC / LZ-LSZH / PE-PE / FV-FRPVC / FZ-FRLSZH