



Fiber Optic Loose Tube Cable All Dielectric Single Jacketed Central Tube

Description / Applications

- Is a UV-stabilized, fully water blocked cable for outdoor duct applications (PE outer jacket) or Indoor/Outdoor applications (LSZH outer jacket)
- Loose tube design provides stable and highly reliable transmission parameters for a variety of voice, data, video and imaging applications.
- Compact design for limited conduit space
- RoHS (Restriction of the use of Certain Hazardous Substances Directive) complied

Specification:

- Telcordia GR-20-CORE
- IEC 60793 / IEC 60794
- ITU-T G652

Option:

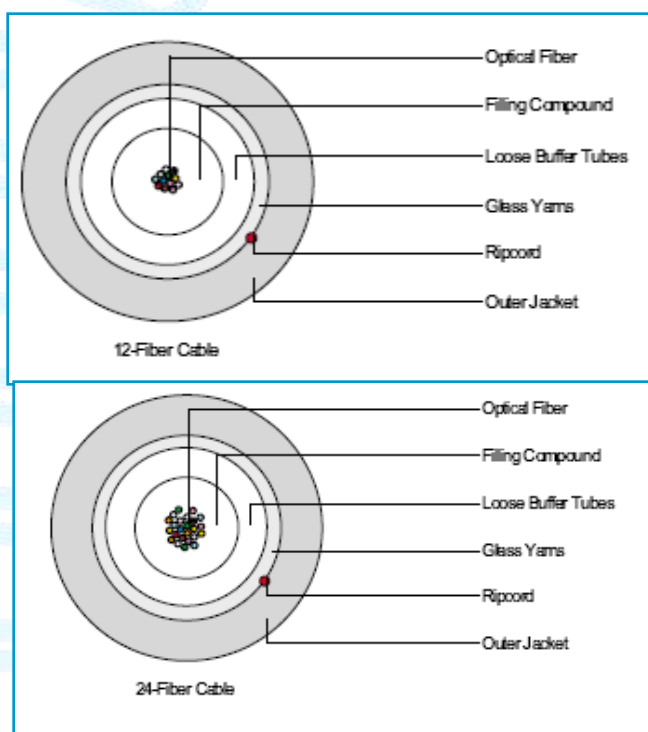
- Fiber - Single mode, 50µm, 62.5µm multi mode available
- Sequential meter or footage markings
- Outer jacket : Black UV- and moisture-resistant Polyethylene or LSZH (Low Smoke Zero Halogen)

Color Identification

- 01 - Blue
- 02 - Orange
- 03 - Green
- 04 - Brown
- 05 - Slate
- 06 - White
- 07 - Red
- 08 - Black
- 09 - Yellow
- 10 - Violet
- 11 - Rose
- 12 - Aqua

- 13 - Blue / Single stripe
- 14 - Orange / Single stripe
- 15 - Green / Single stripe
- 16 - Brown / Single stripe
- 17 - Slate / Single stripe
- 18 - White / Single stripe
- 19 - Red / Single stripe
- 20 - Natural

- 21 - Yellow / Single stripe
- 22 - Violet / Single stripe
- 23 - Rose / Single stripe
- 24 - Aqua / Single stripe





ORNET



Mechanical Characteristics:

Storage Temperature : -20 to + 70°C / Operating Temperature : -10 to + 60°C

Fiber Count	Nominal Diameter		Nominal Weight		Maximum Tensile Load		Crush Load		Minimum Bend Radius			
	[mm]	[inch]	[kg/km]	[lb/kt]	Short Term [N]	Long Term [N]	Short Term [N/cm]	Long Term [N/cm]	Loaded [mm]	Loaded [inch]	Installed [mm]	Installed [inch]
2	6.3	0.25	45	0.10	1200	600	220	110	126	4.96	63	2.51
4	6.3	0.25	45	0.10	1200	600	220	110	126	4.96	63	2.51
6	6.3	0.25	45	0.10	1200	600	220	110	126	4.96	63	2.51
8	6.3	0.25	45	0.10	1200	600	220	110	126	4.96	63	2.51
10	6.3	0.25	45	0.10	1200	600	220	110	126	4.96	63	2.51
12	6.3	0.25	45	0.10	1200	600	220	110	126	4.96	63	2.51
16	6.8	0.27	55	0.12	1200	600	220	110	136	5.35	68	2.71
18	6.8	0.27	55	0.12	1200	600	220	110	136	5.35	68	2.71
24	6.8	0.27	55	0.12	1200	600	220	110	136	5.35	68	2.71

Transmission Performance:

	9/125 μ m (1310/1550nm)	50/125 μ m Standard (850/1300nm)	50/125 μ m Gigabit (850/1300nm)	50/125 μ m 10Gigabit (850/1300nm)	62.5/125 μ m Standard (850/1300nm)	52.5/125 μ m Gigabit (850/1300nm)
Attenuation(dB/km) Typical values	0.4/0.3	3.0/1.0	3.0/1.0	3.0/1.0	3.5/1.0	3.5/1.0
Minimum Bandwidth (MHz • km)	-	500/500	500/500	1500/500	200/500	200/500
Ethernet Link Distance (m)	10Gbps	-	-	300	-	-
	1Gbps	-	-	550/550	-	250/550

