

Multi Tube Duct Cable Loose Gel Free Single Jacket

Construction Diagram

*Typical construction Diagram * Not to Scale



Standard: Minimum Cable Attenuation 1310 nm: 0.35 1550 nm: 0.25

Available in Low Loss Fiber:

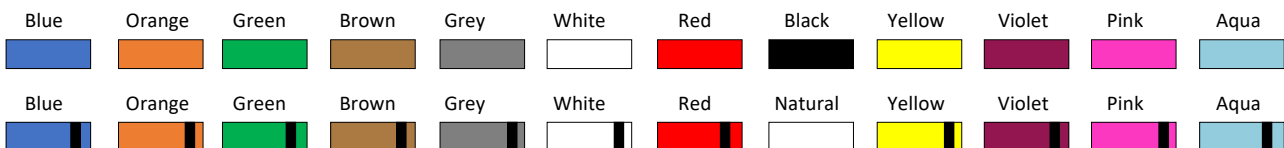
Low Loss: Minimum Cable Attenuation 1310 nm: 0.33 1550 nm: 0.19

Physical Characteristics*								
Fiber Count	12-72	96	144	288	432	576	864	
Fibers per tube	12	12	12	12	24	24	24	
No. of tube	1-6	8	12	24	18	24	36	
Nominal Cable Diameter (mm) +/- 0.5mm	9.6	11.0	13.6	16.2	19.2	22.2	26.0	
Nominal Cable Weight (kg/km) +/- 10%	70	100	145	200	280	400	485	
Mechanical and Environmental Characteristics*								
Test	Standard / Notes	Product Performance						
Max. Tensile Strength (N)	IEC-60794-1-21-E1	2000	2700	2700	3000	3000	3000	3000
Bending Radius	IEC-60794-1-21-E11	Dynamic = 20D, Static = 15D						
Crush Resistance (N/100mm)	IEC-60794-1-21-E3	2000	2700	2700	3000	3000	3000	3000
Impact Strength (N.m)	IEC-60794-1-21-E4	25						
Torsion	IEC-60794-1-21-E7	+/- 180°						
Drip Test	IEC-60794-1-21-E14	30 cm, 70°C, 24 hr						
Temperature Cycling	IEC-60794-1-22-F1	Installation: -20°C to +60°C		Operation: -30°C to +70°C			Storage: -40°C to +70°C	
Water Penetration	IEC-60794-1-22-F5B	1m waterhead, 3m samples, 24 hrs no water leakage						

* After the test, the change in attenuation shall be ≤ 0.05 dB/km. No damage or crack on cable & no fiber break.

The optical fibers are in accordance with ITU-TG.652D and ITU-TG.655

Fiber Standard Color Code (“As Per EIA/TIA 598”)



Tube Standard Color Code (“As Per EIA/TIA 598”)



*For more than 12 tubes, single or double stripes marking are done as per EIA/TIA 598