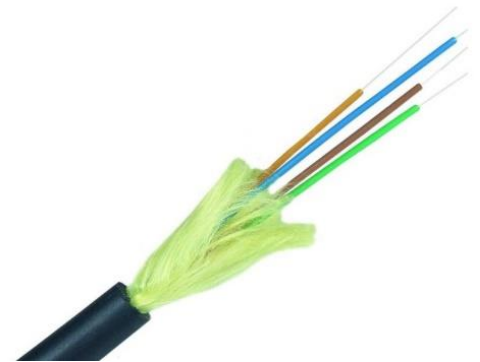
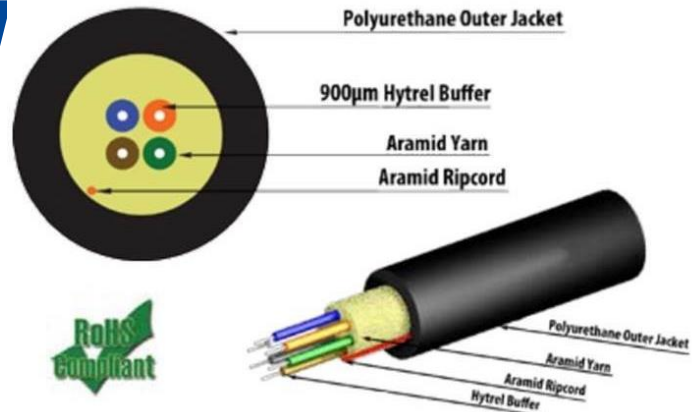


2, 4, 6, 8 AND 12 FIBER TACTICAL CABLE

Service the industry with high-performance cost-effective solutions

Product Details

Diamond Optics fiber optics tactical cable consists of a rugged, flexible polyurethane outer jacket and either 2, 4, 6, 8 or 12 Hytel tight-buffered fibers surrounded by Aramid yarn and an Aramid ripcord. The jacket is pressure extruded over the strength member which allows the pulling device to be attached directly to the cable's outer jacket. This will transfer the pulling force directly to the strength members with no slippage. The dielectric cable construction is non-conductive, requires no grounding, and its smaller diameter and low bend radius allow easy installation in space constrained areas. In addition, the Singlemode and 50um OM3/OM4 versions of the cable utilize advanced bend insensitive fibers. This also allows the fan-outs to benefit from a smaller diameter bend radius.



Fiber Characteristics

Mechanical Characteristics 2, 4, 6, 8 and 12 fibers

Minimum Bend Radius, Installation (mm)	58 / 58 / 61 / 65 / 70
Minimum Bend Radius, Operation (mm)	29 / 29 / 31 / 33 / 35
Nominal Outer Diameter (mm)	5.8 / 5.8 / 6.1 / 7.5 / 7.0
Weight: 2-f/4-f/6-f/8-f/12-f (lbs/Km)	64 / 66 / 72 / 76 / 80
Impact Resistance	TIA/EIA - 455-25C (military requirement) 6.6lb-f
Flexibility	TIA/EIA -455-104A (military requirement) Tensile Mass 5kg, 20x cable diameter
Twist Resistance	TIA/EIA 455-85-A (military requirement)
Compressive Load	TIA/EIA 455-41A (military requirement)
Maximum Tensile Strength, Short Term	TIA/EIA - 455-33B (military requirement) 300lb-f /100 meters
Maximum Tensile Strength, Long Term	TIA/EIA - 455-33B (military requirement) 90lb-f /100 meters

Temperature Range

Storage Temperature	-57 C to +85 C
Operating Temperature	-46 C to +71 C

Cable Characteristics

Fiber Count	2, 4, 6, 8 and 12
Dielectric Strength Member	Aramid Yarn
Ripcord	1
Outer Jacket Material	Thermoplastic Polyurethane
Outer Jacket Color	Black

Optical Characteristics

	OS2	OM1	OM3	OM4
Core Size	9um	62.5um	50um	50um
Wavelengths	1310nm/1550nm	850nm/1300nm	850nm/1300nm	850nm/1300nm
Max. Attenuation	0.5 dB/Km	3.5 dB/Km	3.5 dB/Km	3.5 dB/Km
Bandwidth	-	220 MHz @ 850nm	2000 MHz @ 850nm	2000 MHz @ 850nm
Link Length (10Gb/s)	-	30 mtrs	300 mtrs	550 mtrs
Standard	ITU-T G.652 D ITU-T G.657 A2/B2	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801



* Indicates Corning Clear Curve bend insensitive fibers