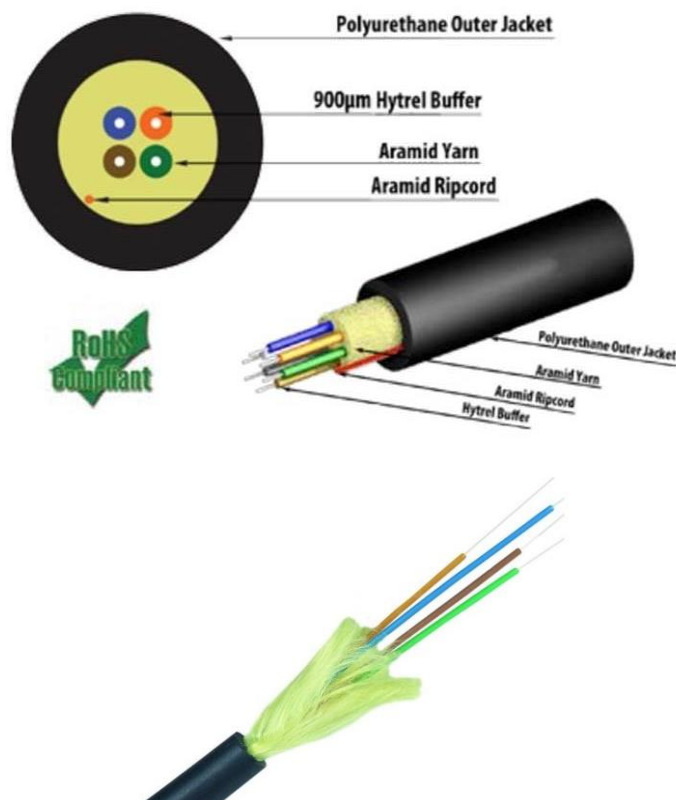


2, 4, 6, 8 AND 12 FIBER TACTICAL CABLE

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 Hytrel 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.



Technical Specification

Mechanical Characteristics

Fiber count	2, 4, 6, 8 & 12 Fibers
Minimum Bend Radius /Installation (mm)	10 x cable diameter
Minimum Bend Radius /Operation (mm)	7.5 x cable diameter
Nominal Outer Diameter (mm)	5.8 / 5.8 / 6.1 / 7.5 / 7.5
Nomial weight (lbs/km)	64 / 66 / 72 / 76 / 80
Impact resistance	6.6lb-f
Flexibility	Tensile Mass 5kg, 20 x cable diameter
Maximum tensile strength, short term	300lb-f/100meters
Maximum tensile strength, long term	90lb-f/100meters

Temperature Range

Storage Temperature	50°C to 85°C
operating temperature	40°C to 75°C

Cable Characteristics

Fiber Count	2, 4, 6, 8 & 12 Fibers
Dielectric strength member	Aramid yarn
Ripcord	1
Outer Jacket material	Thermoplastic Polyurethane
Outer jacket colour	Black

Optical Characteristics

	OS1	OM1	OM3	OM4
Core Size	9µm	62.5µm	50µm	50µm
Wavelength	1310nm/1550nm	850nm/1300nm	850nm/1300nm	850nm/1300nm
Max. Attenuation	0.35dB/Km	3.5dB/Km	2.5dB/Km	2.5dB/Km
Bandwidth		220MHz@850nm	2000MHz@850nm	4700MHz@850nm
Link Length (10Gb/s)		30m	300m	550m
Standards	ITU-T G.652D		ITU-G651.1	ITU-G651.1
	ITU-T G.657 A2/B2	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801

* We use Corning Clear Curve bend insensitive fibers