

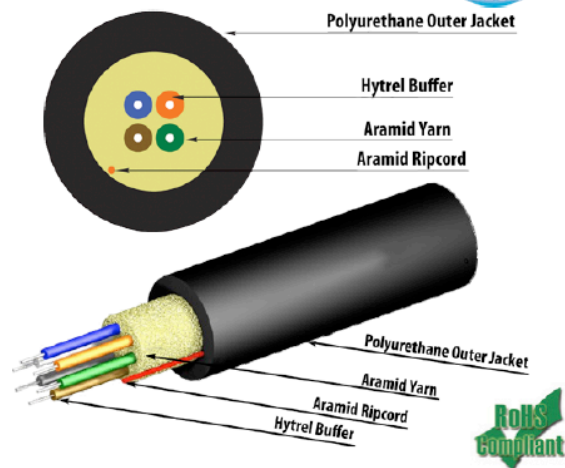
## FIS BLUE 2, 4, 6, 8 AND 12 FIBER TACTICAL CABLE



FIS Blue fiber optic 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 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 versions of the cable utilize advanced bend insensitive fibers. This also allows the fan-outs to benefit from a smaller diameter bend radius.



### SPECIFICATIONS

#### 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/6.6lb-f
Flexibility	TIA/EIA - 455-104A, GR-20-CORE/Tensile Mass 5kg, 20 x cable diameter
Maxium Tensile Strength, Short Term	TIA/EIA - 455-33B, ICEA S-83-696/300lb-f /100 meters
Maxium Tensile Strength, Long Term	TIA/EIA - 455-33B, ICEA S-83-696/90lb-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
Core Size	9um	62.5um	50um
Wavelengths	1310nm/1550nm	850nm/1300nm	850nm/1300nm
Max. Attenuation	0.5 dB/Km	3.5 dB/Km	3.5 dB/Km
Bandwidth	-	220 MHz @ 850nm	2000 MHz @ 850nm
Link Length (10Gb/s)	-	30 mtrs	300 mtrs

