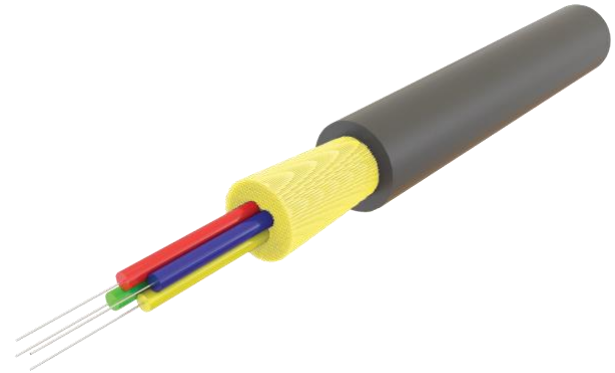


4F Tactical Cable - Universal

Fiber Optic Cable Data Sheet

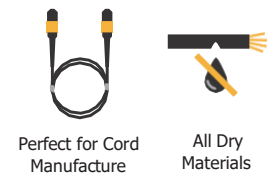
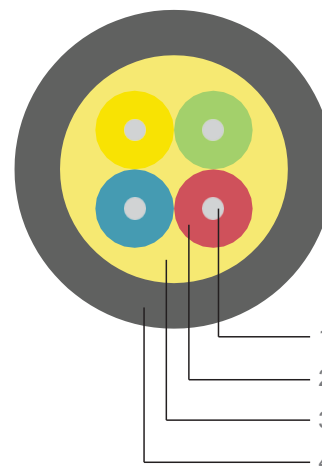
Properties

- Strain relieved with Aramid yarn
- For direct connector assembly
- Ripcord for easy jacket removal
- High chemical resistance against acids and alkalis
- For high mechanical and thermal stability
- Improved crush resistance
- Metal free



Cable Construction

1 Fiber	SM (250 μ)
2 Tight Buffer Tube	900μ Thermoplastic
3 Strength Member	Aramid
4 Outer Jacket	HFFR - Polyurethane



Sheath Marking

Print Color/Method	White/Ink-Jet	(length marking 1 m intervals)
Cable Printing	Manufacturer name, fiber count, fiber type, product code, cable type, date, meter marking	

Optical Characteristics and Physical Properties

Fiber Type	SM								
Jacket Color	Black								
Core Diameter (μm)	9.0 ±0.5								
Cladding Diameter (μm)	125 ±5.0								
Primary Coating Diameter (μm)	245 ±10								
Attenuation (max. in cable) (dB/km)	<table border="1"> <tr> <td>@ 1310 nm</td> <td>≤ 0.36</td> </tr> <tr> <td>@ 1550 nm</td> <td>≤ 0.25</td> </tr> <tr> <td>@ 850 nm</td> <td>-</td> </tr> <tr> <td>@ 1300 nm</td> <td>-</td> </tr> </table>	@ 1310 nm	≤ 0.36	@ 1550 nm	≤ 0.25	@ 850 nm	-	@ 1300 nm	-
@ 1310 nm	≤ 0.36								
@ 1550 nm	≤ 0.25								
@ 850 nm	-								
@ 1300 nm	-								

Mechanical and Environmental Properties

Test	Test Conditions	Value	Unit	Method
Tight Diameter	-	0.9	mm	-
Cable Diameter	-	5.8	mm	-
Approx. Cable Weight	-	25 ±2.5	kg/km	-
Max. Tensile Strength	During Installation	2000	N	IEC 60794-1-2 E1
	In Service	1500		
Min. Bending Radius	During Installation	90	mm	IEC 60794-1-2 E11
	In Service	60		
CrushResistance	ShortTerm	4000		IEC 60794-1-2 E3
	LongTerm	1000	N/dm	
Impact Resistance	Wp = 2.25 J	300		
Flexing	r=80mm , 15N	20000	cycles	IEC 60794-1-2 E6
	r=40mm, 15N	1000		
Repeated Bending	r=40mm , weight =1 kg	20000	-	IEC 60794-1-2 E6
Temperature Range	During installation	-40 to +85	°C	IEC 60794-1-22 F1
	In service	-40 to +75		

Combustion Properties

Fiber Type	Test Conditions	Value	Unit	Result	Method
Fire Load	-	0.55	Mj/m	-	-

Cable Coding System

U - 04 - TC - 58 - T9H - A2 - U - BK

Type	Fiber Count	Cable Type	Diameter	Buffer Type	Fiber Type	Sheath Mat.	Color
Universal: U	4 Fibers: 04	Tactical: TC	5.8mm: 58	Tight 900µm: T9H	SM G.657 A2: A2	Polyurethane: U	Black: BK A2