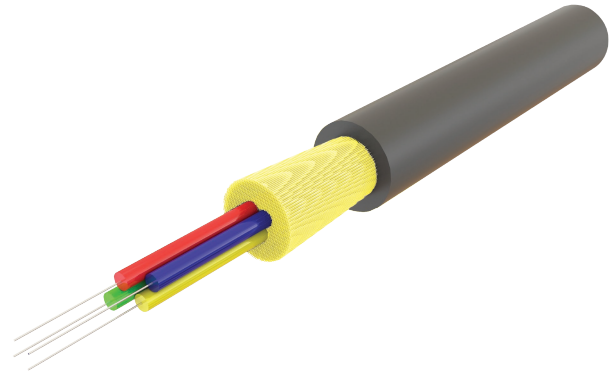


4F Tactical Cable - Universal

Design Type **U-V(ZN)11Y Universal Cable**

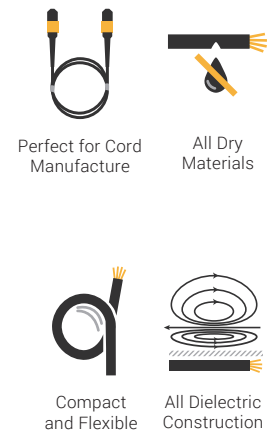
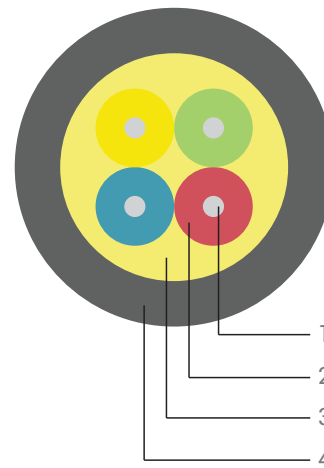
Properties

- 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	@1310 nm	≤ 0.36
(max. in cable)	@1550 nm	≤ 0.25
(dB/km)	@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	N/dm	IEC 60794-1-2 E3
	LongTerm	1000		
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