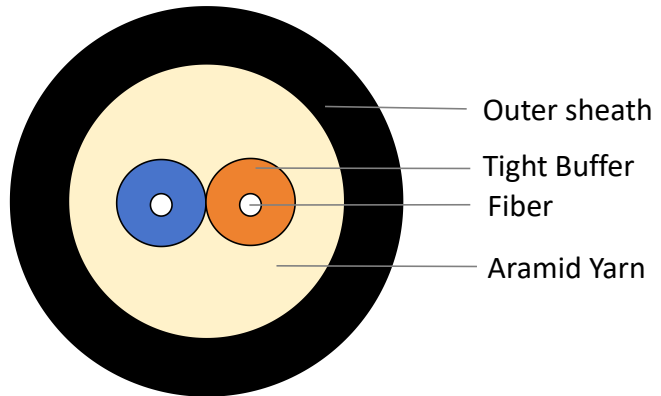




## 2 Fiber Tactical Fiber Optic Cable ( G657A2 SM TPU)

### Product Description

QuickTrex 2 Fiber Tactical Cable Includes G657A2 bend-insensitive fiber and a 3.2mm black TPU jacket, offering high flexibility, abrasion and oil resistance, built to endure repeated winding and harsh environments.



### Key Features

- Lightweight and flexible
- Chemical resistant
- Mechanically and thermally stable
- UV, abrasion and cut resistant

### Application

- Rapid deployment
- Broadcast and field production
- Industrial and harsh environments
- Infrastructure and utilities

### Cable Construction Details

Items		Description
Fiber type		G657A2
Number of fiber		2
Tight buffer	diameter(mm)	0.6±0.05
	material	Hytel
Strength member	material	Aramid yarn
Outer sheath	material	TPU
	color	Black
	diameter(mm)	3.2±0.3
Min Bending Radius(mm)	LONGTERM	10D
	INSTALLATION	15D
Tensile Strength(N)	LONGTERM	578
	INSTALLATION	1780
Crush Load (N/100mm)	Long term	100
	Short term	500
Temperature (°C)	Installation	-40 to + 80 °C
	Storage	-40 to + 80 °C
	Operating	-40 to + 80 °C

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## Fiber Characteristic

Characteristics	Conditions	Specified Values	Unit
Attenuation	1310nm	≤0.36	dB/KM
	1550nm	≤0.25	dB/KM
Attenuation vs.Wavelength Max. αdifference	1285-1330nm	≤0.03	dB/KM
	1525-1575nm	≤0.02	dB/KM
Zero dispersion wavelength		1300-1324	nm
Zero dispersion slope		≤0.092	ps/nm <sup>2</sup> .km
PMD		-	ps/√km
Maximum Individual Fiber		≤0.2	ps/√km
Link Design Value (M=20,Q=0.01%)		≤0.1	ps/√km
Typical value		0.04	
Cable cutoff wavelength λ <sub>c</sub>		≤1260	nm
Mode field diameter (MFD)	1310nm	8.6±0.4	um
	1550nm	9.8±0.5	um
Effective group index of refraction	1310nm	1.466	-
	1550nm	1.467	-
Point discontinuities	1310nm	≤0.05	dB
	1550nm	≤0.05	dB
<b>Geometrical Characteristics</b>			
Cladding diameter		124.8±0.7	um
Cladding non-circularity		≤0.7	%
Coating diameter		245±5	um
Coating-cladding concentricity error		≤12.0	um
Coating non-circularity		≤6.0	%
Core-cladding concentricity error		≤0.5	um
Curl (radius)		≥4	m

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