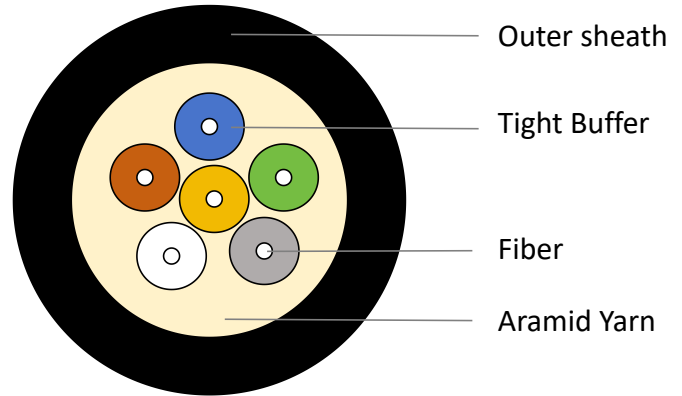




QuickTreX Tactical Fiber Optic Cable (G657A2 SM TPU)

Application

- Indoor and outdoor fiber installations
- Tight or hazardous installation sites
- Data centers
- Telecom networks
- Enterprise networks



Cable Construction Details

Items		Description
Fiber type		G657A2
Number of fiber		6
Tight buffer	diameter(mm)	0.85±0.05
	material	Hytrel
Strength member	material	Aramid yarn
Outer sheath	material	TPU
	color	Black
	diameter(mm)	6.0±0.3
Cable weight		30kg/km
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 Ratings

Installation	-40 to +80 °C
Operating	-40 to +80 °C
Storage	-40 to +80 °C

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 ² .km
PMD		-	ps/ $\sqrt{\text{km}}$
Maximum Individual Fiber		≤0.2	ps/ $\sqrt{\text{km}}$
Link Design Value (M=20,Q=0.01%)		≤0.1	ps/ $\sqrt{\text{km}}$
Typical value		0.04	
Cable cutoff wavelength λ_{∞}		≤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
Geometrical Characteristics			
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