



Description:

- Fiber Count: 2 - 12 cores
- Coating diameter: $242 \pm 7 \mu\text{m}$
- Colored fiber
- According to the standard chromatogram
- Diameter of Loose tube: $2.20\text{mm} \pm 0.10\text{mm}$
- Max.Outer diameter: $8.0\text{mm} \pm 0.15\text{mm}$
- Jacket Material: PE
- Jacket Color: Black
- GYXTW Type

Application:

- Optic Access Network
- Local Area Network
- Telecommunication
- CCTV
- Lay method: Conduit, Aerial

Feature:

- Up to 12 fibers
- Central Loose tube
- Two parallel round steel wires enhance tensile strength and crush resistance
- Small outer diameter, light weight & excellent bending property
- Good mechanical performance

Singlemode Fiber Core Characteristics:

Item	Unit	Parameter
Attenuation	dB/km	1310nm \leq 0.4 1550nm \leq 0.3
Dispersion Coefficient	Ps/(nm.km)	1285-1340nm \leq 3.5 1550nm \leq 18
Zero Dispersion Wavelength	nm	1300-1324
Zero Dispersion Slope	Ps/nm ² .km)	\leq 0.095
Fiber cutoff wavelength	nm	\leq 1260
Cladding diameter	μm	125 ± 1.0
Cladding non-circularity	%	\leq 1.0
Coating diameter	μm	245 ± 1.0
Coating/cladding concentricity error	μm	\leq 12.5
Proof test	offline	>100 [kpsi]
Temperature Range(C)		-40C - +80C

Multimode Fiber Core Characteristics:

Item	Unit	Parameter
Attenuation	dB/km	850nm \leq 3.0 1300nm \leq 1.0
Overfilled Modal Bandwidth	MHZ.km	850 \geq 160 1300nm \geq 200
Core diameter	μm	62.5 ± 2.5
Cladding diameter	μm	125 ± 1.0
Cladding non-circularity	%	\leq 1.0
Coating/cladding concentricity error	μm	\leq 12.5
Coating diameter	μm	245 ± 1.0
Bending dependence induced attenuation	850nm, 1300nm100 turns 75mm dia	\leq 0.5dB

Technology Characteristics:

Fiber core		2, 4, 6, 8, 10, 12
Outer Diameter(mm)		$8.0 \pm 0.15\text{mm}$
Max. Tensile(N)	short-term	1500
	long-term	600
Min .Bending Radius	Dynamic	20D
	Static	10D
Max. Crush Resistance(N/100mm ²)		2800

Armored Central Loose-Tube, Central Bundled