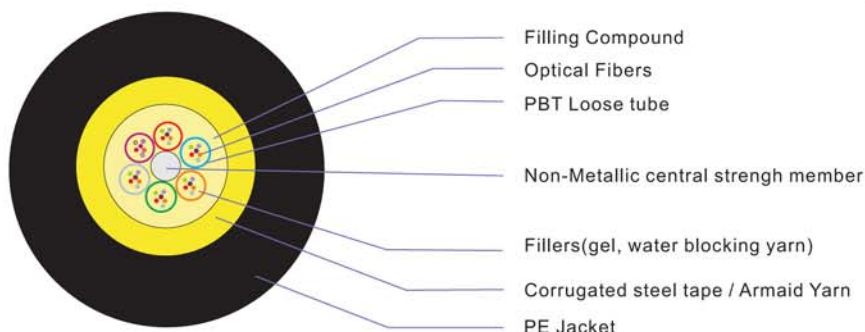


Fiber Optic Outdoor Cable



Description:

- Fiber Count: 2 - 144 cores
- Colored fiber
- Loose tube: $\Phi 2.15 \pm 0.10\text{mm}$
- Central strength member : FRP+ cushion
- Max. outer diameter: $15.0\text{mm} \pm 0.5\text{mm}$
- Out Jacket Material: PE
- Jacket Color: Black
- GYFTS / GYFTY Type

Application:

- Optic Access Network
- Local Area Network
- Telecommunication
- CCTV
- Suitable for Conduit, Aerial use

Feature:

- Up to 144 fibers
- Loose tube stranded cable
- Small outer diameter, light weight & excellent bending property
- Good mechanical performance

Stranded Loose Tube, Non-metallic Member

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	um	125 \pm 1.0	
Cladding non-circularity	%	\leq 1.0	
Coating diameter	um	245 \pm 1.0	
Coating/cladding concentricity error	um	\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	um	62.5 \pm 2.5	
Cladding diameter	um	125 \pm 1.0	
Cladding non-circularity	%	\leq 1.0	
Coating/cladding concentricity error	um	\leq 12.5	
Coating diameter	um	245 \pm 1.0	
Bending dependence induced attenuation	850nm, 1300nm100 turns 75mm dia	\leq 0.5dB	

Technology Characteristics:

Fiber count	Outside Diameter(mm)	Cable weight (kg/km)	Max. tension(N)		Max. Crushing (N/100)		Bend radius	
			Short-term	Long-term	Short-term	Long-term	Dynamic	Static
2-60	11.5 \pm 0.5mm	115	2300	1000	1000	300	20D	10D
62-72	11.5 \pm 0.5mm	138	2800	1100	1000	300	20D	10D
74-96	13.5 \pm 0.5mm	165	2800	1100	1000	300	20D	10D
98-144	17.5 \pm 0.5mm	265	2800	1100	1000	300	20D	10D