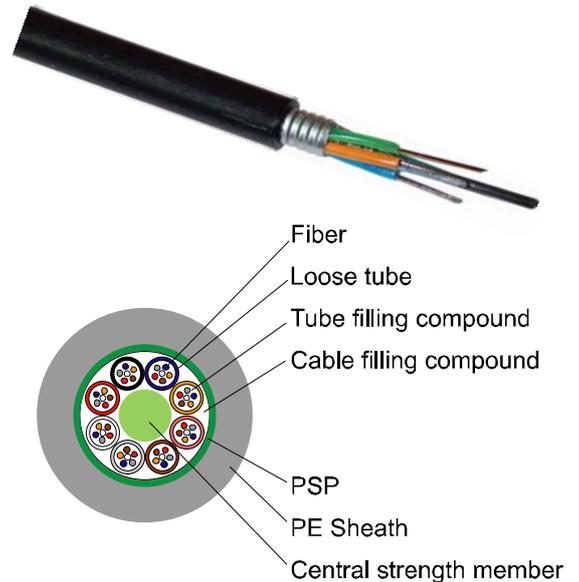


Stranded Loose Tube Light-armored Cable GYTS

Description

The fibers, 250 μ m, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire, sometimes sheathed with polyethylene (PE) for cable with high fiber count, locates in the center of core as a metallic strength member. Tubes (and fillers) are stranded around the strength member into a compact and circular cable core. The PSP is longitudinally applied over the cable core, Which is filled with the filling compound to protect it from water ingress. The cable is completed with a PE sheath.



Characteristics

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Specially designed compact structure is good at preventing loose tubes from shrinking
- Crush resistance and flexibility
- PE sheath protects cable from ultraviolet radiation
- The following measures are taken to ensure the cable watertight:
 - Steel wire used as the central strength member
 - Loose tube filling compound
 - 100% cable core filling
 - PSP enhancing moisture-proof

Optical Characteristics

		G.652	G.655	50/125 μ m	62.5/125 μ m
Attenuation (+20°C)	@ 850 nm			≤ 3.0 dB / km	≤ 3.0 dB / km
	@ 1300 nm			≤ 1.0 dB / km	≤ 1.0 dB / km
	@ 1310 nm	≤ 0.36 dB / km	≤ 0.40 dB / km		
	@ 1550 nm	≤ 0.22 dB / km	≤ 0.23 dB / km		
Bandwidth (Class A)	@ 850 nm			≥ 500 MHz- km	≥ 200 MHz- km
	@ 1300 nm			≥ 1000 MHz- km	≥ 600 MHz- km
Numerical Aperture				0.200 ± 0.015 NA	0.275 ± 0.015 NA
Cable Cut-off Wavelength		≤ 1260 nm	≤ 1480 nm		

Technical Parameters

Cable Type (Increased by 2 fibers)	Fiber Count	Tubes	Fillers	Cable Diameter mm	Cable Weight Kg/km	Bending Radius Static/Dynamic mm	Tensile Strength Long/Short Term N	Crush Resistance Long/Short Term N/100mm
41011-4~6-TP	4~6	1	4	11.8	138	118 / 236	600 / 1500	300 / 1000
41011-8~12-TP	8~12	2	3	11.8	138	118 / 236	600 / 1500	300 / 1000
41011-14~18-TP	14~18	3	2	11.8	138	118 / 236	600 / 1500	300 / 1000
41011-20~24-TP	20~24	4	1	11.8	138	118 / 236	600 / 1500	300 / 1000
41011-26~30-TP	26~30	5	0	11.8	138	118 / 236	600 / 1500	300 / 1000
41011-32~36-TP	32~36	6	0	13.0	170	130 / 260	1000 / 3000	300 / 1000
41011-38~48-TP	38~48	4	1	13.0	158	130 / 260	1000 / 3000	300 / 1000
41011-50~60-TP	50~60	5	0	13.0	158	130 / 260	1000 / 3000	300 / 1000
41011-62~72-TP	62~72	6	0	14.0	200	140 / 280	1000 / 3000	300 / 1000
41011-74~84-TP	74~84	7	1	15.6	245	156 / 312	1000 / 3000	300 / 1000
41011-86~96-TP	86~96	8	0	15.6	245	156 / 312	1000 / 3000	300 / 1000

TP: Fiber Type (06 means 62.5/125μm OM1, 05 means 50/125μm OM2, 05a means 50/125 OM3, 09 means 9/125μm OS1)

