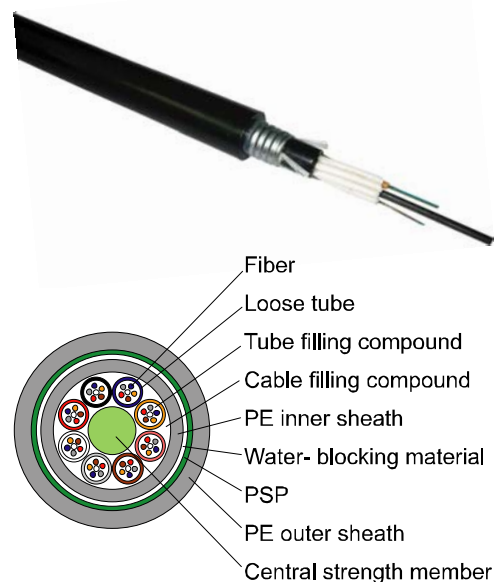


Stranded Loose Tube Armored Cable

GYTY53

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 cable core is filled with the filling compound to protect it from Water ingress, over which a thin PE inner sheath is applied. After the PSP is longitudinally applied over the inner sheath, the cable is completed with a PE outer 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
- Crush resistance and flexibility
- 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
 - Water-blocking material

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
41012-4~6Xn	4~6	1	5	14.0	221	140 / 280	1000 / 3000	300 / 1000
41012-8~12Xn	8~12	2	4	14.0	221	140 / 280	1000 / 3000	300 / 1000
41012-14~18Xn	14~18	3	3	14.0	221	140 / 280	1000 / 3000	300 / 1000
41012-20~24Xn	20~24	4	2	14.0	221	140 / 280	1000 / 3000	300 / 1000
41012-26~30Xn	26~30	5	1	14.0	221	140 / 280	1000 / 3000	300 / 1000
41012-32~36Xn	32~36	6	0	14.0	221	140 / 280	1000 / 3000	300 / 1000
41012-38~48Xn	38~48	4	1	14.8	217	148 / 296	1000 / 3000	300 / 1000
41012-50~60Xn	50~60	5	0	14.8	217	148 / 296	1000 / 3000	300 / 1000
41012-62~72Xn	62~72	6	0	15.7	265	157 / 314	1000 / 3000	300 / 1000
41012-74~84Xn	74~84	7	1	16.8	308	168 / 336	1000 / 3000	300 / 1000
41012-86~96Xn	86~96	8	0	16.8	308	168 / 336	1000 / 3000	300 / 1000
41012-98~108Xn	98~108	9	1	18.9	365	189 / 378	1000 / 3000	300 / 1000
41012-110~120Xn	110~120	10	0	18.9	365	189 / 378	1000 / 3000	300 / 1000
41012-122~132Xn	122~132	11	1	21.5	436	215 / 430	1000 / 3000	300 / 1000
41012-134~144Xn	134~144	12	0	21.5	436	215 / 430	1000 / 3000	300 / 1000
41012-146~216Xn	146~216			21.5	448	215 / 430	1000 / 3000	300 / 1000

TP: Fiber Type (02 means 2 fibers, 12 means 12 fibers. 06 means OM1 62.5/125 μ m; 05 means OM2

50/125 μ m; 09 means OS1 9*125 μ m)

