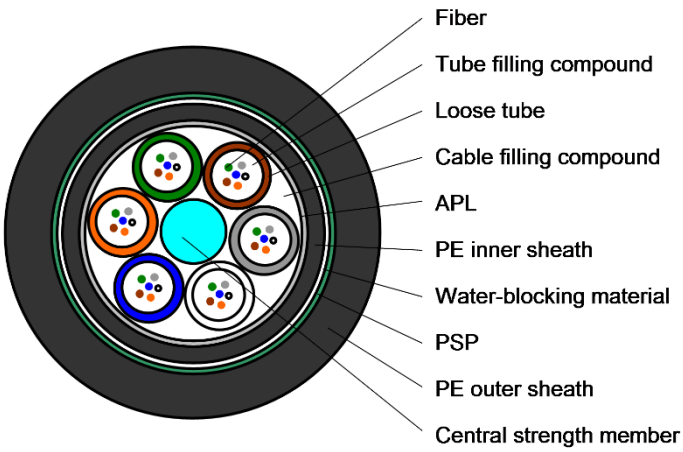
Stranded Loose Tube Armored Cable

Model: NCM-LTAC

Features

- 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
- APL moisture barrier
- Plastic-Steel-Plastic (PSP) enhancing moisture-proof
- Water-blocking material



Stranded Loose Tube Armored Cable

Unless otherwise noted, the above specifications reflect typical device performance at stated reference levels in the recommended operating configuration(s). Specifications are subject to change without notice.

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Stranded Loose Tube Armored Cable

Model: NCM-LTAC

Description

The fibers, 250µm, 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. An Aluminum Polyethylene Laminate (APL) is applied around the cable core, which is filled with the filling compound to protect it from water ingress. Then the cable core is covered with a thin PE inner sheath. After the PSP is longitudinally applied over the inner sheath, the cable is completed with a PE outer sheath.

Technical Data

Cable Type (Increased by 2 fibers)	Fiber Count	Tubes	Fillers	Cable Weight kg/km (Ref)	Tensile Strength Long/Short Term (N)	Crush Resistance Long/Short Term (N/100mm)	Bending Radius Static/Dynamic (mm)
NCM-LTAC-2~6Xn	2~6	1	4	189	1000/3000	1000/3000	12.5D/25D
NCM-LTAC -8~12Xn	8~12	2	3	189			
NCM-LTAC -14~18Xn	14~18	3	2	189			
NCM-LTAC -20~24Xn	20~24	4	1	189			
NCM-LTAC -26~30Xn	26~30	5	0	189			
NCM-LTAC -32~36Xn	32~36	6	0	189			
NCM-LTAC -38~48Xn	38~48	4	1	206			
NCM-LTAC -50~60Xn	50~60	5	0	206			
NCM-LTAC -62~72Xn	62~72	6	0	221			
NCM-LTAC -74~84Xn	74~84	7	1	257			
NCM-LTAC -86~96Xn	86~96	8	0	257			
NCM-LTAC -98~108Xn	98~108	9	1	290			
NCM-LTAC -110~120Xn	110~120	10	0	290			
NCM-LTAC -122~132Xn	122~132	11	1	343			
NCM-LTAC -134~144Xn	134~144	12	0	343			
NCM-LTAC -146~216Xn	146~216	13~18	5~0	343			

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Optical Characteristics

Fiber Type		G.652	G.655	50/125 µm	62.5/125 µm
Attenuation（+20℃）	@ 850 nm			≤ 3.0 dB/km	≤ 3.3 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	@ 850 nm			≥ 500 MHz·km	≥ 200 MHz·km
	@1300 nm			≥ 500 MHz·km	≥ 500 MHz·km
Numerical Aperture				0.200 ± 0.015 NA	0.275 ± 0.015 NA
Cut-off Wavelength λcc		≤ 1260 nm	≤ 1450 nm		

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