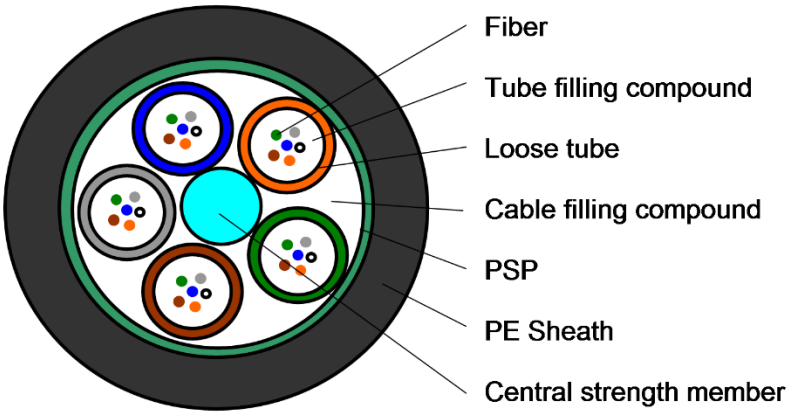
Stranded Loose Tube Light-armored Cable

Model: NCM-LTLA

Features

- 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
- Polyethylene (PE) sheath protects cable from ultraviolet radiation
- Loose tube filling compound
- 100% cable core filling
- Plastic-Steel-Plastic (PSP) enhancing moisture-proof



Stranded Loose Tube Light-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 Light-armored Cable

Model: NCM-LTLA

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. 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 polyethylene (PE) 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-LTLA-2~6Xn	2~6	1	4	103	600/1500	300/1000	10D/20D
NCM-LTLA-8~12Xn	8~12	2	3	103			
NCM- LTLA-14~18Xn	14~18	3	2	103			
NCM- LTLA-20~24Xn	20~24	4	1	103			
NCM- LTLA-26~30Xn	26~30	5	0	103			
NCM- LTLA-32~36Xn	32~36	6	0	122			
NCM- LTLA-38~48Xn	38~48	4	1	126			
NCM- LTLA-50~60Xn	50~60	5	0	126			
NCM- LTLA-62~72Xn	62~72	6	0	146			
NCM- LTLA-74~84Xn	74~84	7	1	176			
NCM- LTLA-86~96Xn	86~96	8	0	176			
NCM- LTLA-98~108Xn	98~10	9	1	205			
NCM- LTLA-110~120Xn	110~1	10	0	205			
NCM- LTLA-122~132Xn	122~1	11	1	248			
NCM- LTLA-134~144Xn	134~1	12	0	248			
NCM- LTLA-146~216Xn	146~2	13~18	5~0	248			
NCM- LTLA-288Xn	288	24	0	305			

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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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