

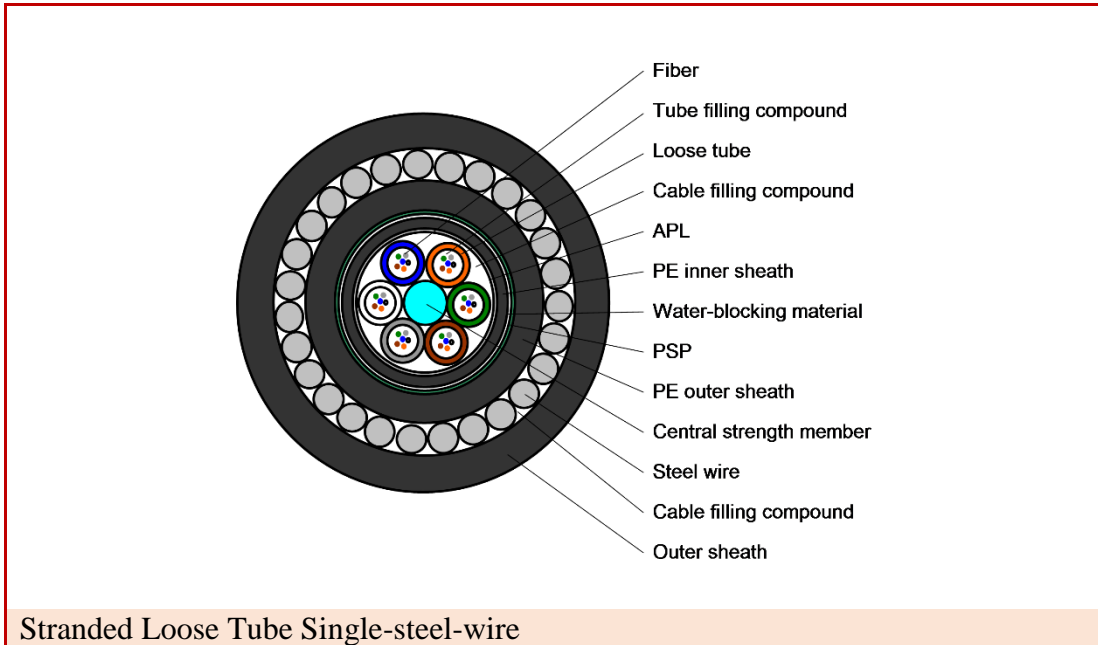
# Stranded Loose Tube Single-steel-wire Armored Cable



## Model: NCM-LTSSW

### Features

- Good mechanical and temperature performance
- Single-steel armor ensures good performance of tensile strength
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Crush resistance and flexibility
- 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
- It is suitable for direct buried, climb or Underwater installation



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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### 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 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. And a PSP is longitudinally applied over the inner sheath; the cable is covered with a PE outer sheath. After the single-steel armored, the cable is finally completed with an outer sheath.

### Technical Data

Parameter	Cable Models					
	NCM-LTSSW(2~6Xn)	NCM-LTSSW(8~12Xn)	NCM-LTSSW(14~18Xn)	NCM-LTSSW(20~24Xn)	NCM-LTSSW(26~30Xn)	NCM-LTSSW(32~36Xn)
Cable type						
Fiber count	2~6	8~12	14~18	20~24	26~30	32~36
Tubes	1	2	3	4	5	6
Fillers	5	4	3	2	1	0
Cable Weight(Ref)(kg/km)	819	819	819	819	819	819
Tensile Strength Long/short term(N)	4000/10000	4000/10000	4000/10000	4000/10000	4000/10000	4000/10000
Crush resistance Long/short term(N/100mm)	3000/5000	3000/5000	3000/5000	3000/5000	3000/5000	3000/5000
Storage/Operating Temperature (°C)	-40 to +70	-40 to +70	-40 to +70	-40 to +70	-40 to +70	-40 to +70
Bending radius Static/Dynamic(mm)	12.5D/25D	12.5D/25D	12.5D/25D	12.5D/25D	12.5D/25D	12.5D/25D

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### Optical Characteristics

Fiber Type		G.652	G.655	50/125 $\mu\text{m}$	62.5/125 $\mu\text{m}$
Attenuation (+20°C)	@ 850 nm			$\leq 3.0$ dB/km	$\leq 3.3$ dB/km
	@1300 nm			$\leq 1.0$ dB/km	$\leq 1.0$ dB/km
	@1310 nm	$\leq 0.36$ dB/km	$\leq 0.40$ dB/km		
	@1550 nm	$\leq 0.22$ dB/km	$\leq 0.23$ dB/km		
Bandwidth	@ 850 nm			$\geq 500$ MHz·km	$\geq 200$ MHz·km
	@1300 nm			$\geq 500$ MHz·km	$\geq 500$ MHz·km
Numerical Aperture				$0.200 \pm 0.015$ NA	$0.275 \pm 0.015$ NA
Cable Cut-off Wavelength $\lambda_{cc}$		$\leq 1260$ nm	$\leq 1450$ nm		

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