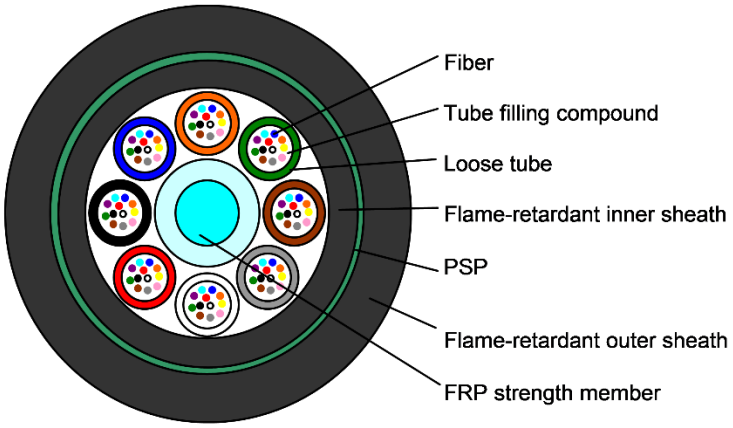
Fire Resistant Optical Cable

Model: NCM-FROC

Features

- Non-mental design can prevent the cable from radio interference and magnetic wave interference Good mechanical, temperature performance and fire-resistant property
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Good crush resistance and flexibility
- Single Fiber Reinforced Plastic as the central strength member
- 100% cable core filling
- PSP enhancing moisture-proof
- Loose tube filling compound
- Water-blocking material
- Scientific design with strict processing



Fire Resistant Optical 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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Fire Resistant Optical Cable

Model: NCM-FROC

Description

The fibers, 250µm, either of single-mode or multimode type, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A layer of aramid yarn is applied around the cable core as additional strength member. Then, the cable is completed with a black or color High Density Polyethylene (HDPE) sheath.

Technical Data

Parameter	Cable Models			
Cable type	NCM-FR (6~36Xn)	NCM-FR (48~60Xn)	NCM-FR (72Xn)	NCM-FR (96Xn)
Fiber count	6~36	48~60	72	96
Cable Diameter (mm)	14.2±0.5	15.0±0.5	15.5±0.5	17.2±0.5
Cable Weight(Ref)(kg/km)	239	260	277	329
Tensile Strength Long/short term(N)	400/1000	400/1000	400/1000	400/1000
Crush resistance Long/short term(N/100mm)	1000/3000	1000/3000	1000/3000	1000/3000
Storage/Operating Temperature (℃)	-40~+70	-40~+70	-40~+70	-40~+70
Bending radius Static/Dynamic(mm)	20D/10D	20D/10D	20D/10D	20D/10D

Optical Characteristics

Parameter	Wavelength	Value
Attenuation （+20℃）	@1310 nm	≤ 0.50dB/km
	@1550 nm	≤ 0.40 dB/km
Cable Cut-off Wavelength λcc	-	≤ 1260 nm
Attenuation at temperature cycling Δα (-20℃~+60℃)	@1550 nm	≤ 0.10 dB/km

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