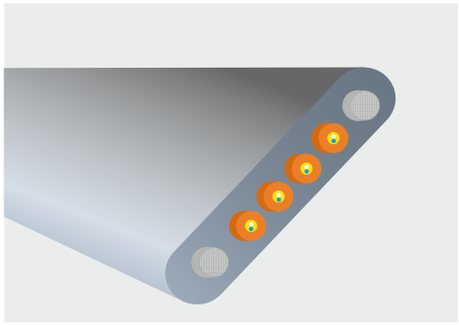
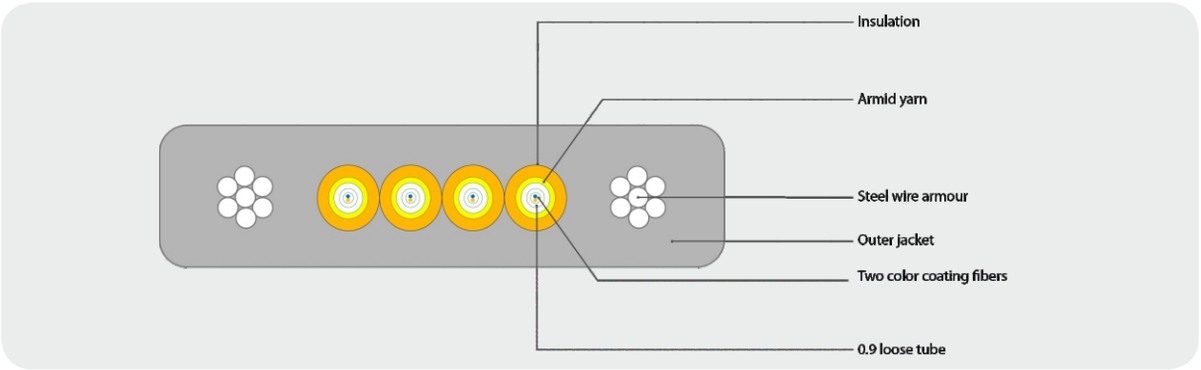
FIBER OPTIC FLAT ELEVATOR CABLE

Norden Fiber Optic Flat Elevator Cable is used in mobile laying applications. It is mainly used as signal transmission cable for elevator equipment in reciprocating motion for a long time. The cable is constructed with 8 Core Fibre , Steel wire strength member giving strength to the cable and PVC insulation and TPE jacket material.





CONSTRUCTION

Optical Fiber	
No. of Core	8
Fiber / Tube	2
Fiber Type	Single mode (G652.D, G657.A1 , G657.A2) Multimode (OM3 , OM4)
Insulation Material	PVC
Insulation Diameter	2.0 mm
Insulation Color	Yellow

Cable Details	
Outer Jacket Material	TPE
Jacket Outer Diameter	4 x 18 mm
Strength Member	Stranded Galvanized Steel Wire
No. of Steel Wire	2
Steel Wire Diameter	1.8 mm , 2 x (7 x 0.6 wire)

ELECTRICAL & OTHER CHARACTERISTICS :

Characteristics	Value
Working Voltage	110V
Max. Tensile Strength	600 N
Crush Load	2000 N
Min. Bending Radius	10 OD
Temperature Rating	-20°C to +70°C
Flame Resistance	IEC 60332-1

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FIBER CHARACTERISTICS

Characteristics	Value
Cladding diameter	124.8 ± 0.7 µ
Cladding non-circularity	≤ 0.7 %
Coating diameter	254 ± 5 µm
Coating-cladding concentricity error	≤ 12.0 µm
Coating non-circularity	≤ 6.0 %
Core-cladding concentricity error	≤ 0.5 µm
Curl (radius)	≤ 4 m
Attenuation Coefficient	OS2 : @1550 nm ≤ 0.25dB/km @1310 nm ≤ 0.36 dB/km OM3 : @850 nm ≤ 2.3 dB/km @1300 nm ≤ 0.6 dB/km OM4 : @850 nm ≤ 3.5 dB/km @1300 nm ≤ 1.5 dB/km
Mode field diameter (MFD)	@1550 nm : 10.4 ± 0.5 µm @1310 nm : 9.2 ± 0.4 µm
Effective group index of refraction	@1550 nm : 1.467 @1310 nm : 1.466
Point discontinuities	@1550 nm : ≤ 0.05 dB @1310 nm : ≤ 0.05 dB
Zero dispersion wavelength	1312 ± 10 nm
Zero dispersion slope	≤ 0.090 ps/nm².km
Cable cutoff wavelength λ_{cc}	≤1260 nm

ORDERING INFORMATION

Part Number	Description	Standard Length
4004-W5008OM4CL-7	8 Core (2F/T) MM OM4 Fibre Optic Flat Elevator Cable	500 Meter