

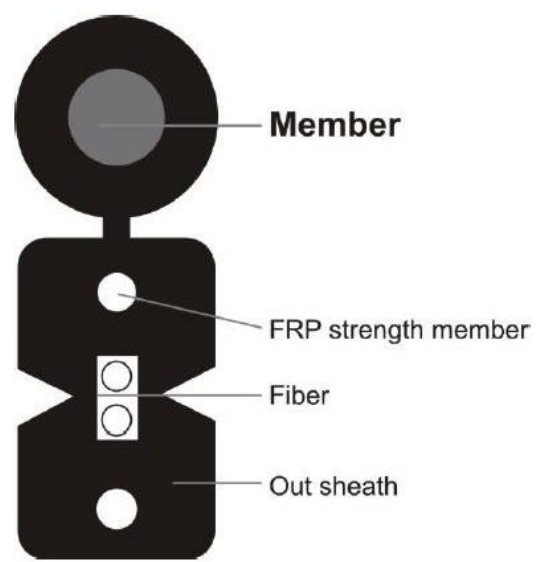
NETLINK OM4 FTTH OUTDOOR AERIAL CABLE



FEATURES
Excellent mechanical strength and environmental durability
Flame retardant features meet the requirements of relevant standards
The mechanical features meet the relevant standards
Soft, flexible, easy to lay and splice, with big capacity data transmission
Meet the requirements of the market and customers

APPLICATION
Can be used in outdoor applications
Can be used as access building cable
Can be used as aerial drop cable

SPECIFICATION	
Cladding Non-Circularity	≤1.0%
Primary Coating Diameter	250±15µm
Coating-Cladding Concentricity error	≤12.5µ
Cable Weight	21.7KG/KM
Cable Diameter	5.3×2.0MM
Range Temperature	-30+70 °C
Fiber Range	6 Core
Fiber Type	G657A, G657B or G652D OM4



OPTICAL CHARACTERISTICS		
Parameter	Wavelength (nm)	Value
Attenuation (dB/km)	850	≤2.3
	1300	≤0.6
Bandwidth (MHz·km)	850	≤3500
	1300	≤500
Effective Modal Bandwidth (MHz·km)	850nm	≤4700
Application Support Distance (m)	10 Gigabit Ethernet SX @850nm	550
	Gigabit Ethernet SX @850nm	1100
	Gigabit Ethernet LX @1300nm	600
	40 & 100 Gigabit Ethernet @850nm	150
Numerical Aperture		0.200 ± 0.015
Group Refractive Index	850nm	1.482
	1300nm	1.477
Zero Dispersion Wavelength (nm)		1295-1320
Zero Dispersion Slope (ps/(nm ² ·km))		≤0.11
Macrobending Induced Loss (dB)	850nm	≤0.50
	1300nm	≤0.50

BACKSCATTER CHARACTERISTICS (1300nm)	
Step (Mean of bidirectional measurement)	≤0.10 dB
Irregularities over fiber length and point discontinuity	≤0.10 dB
Attenuation uniformity	≤0.08 dB

ENVIRONMENTAL CHARACTERISTICS (850nm & 1300nm)	
Temperature dependence (-60 °C to +85 °C)	≤0.10 dB
Temperature-humidity cycling (-10 °C to +85 °C, 98% RH)	≤0.10 dB
Watersoak at 23 °C for 30 days	≤0.10 dB
Damp heat (85 °C, 85% RH, 30 days)	≤0.10 dB
Dry heat aging at 85 °C	≤0.10 dB

MECHANICAL SPECIFICATION	
Proof test	≥9.0 N
Elongation	≥1.0%
Tensile strength	≥100 kpsi
Coating strip force (typical)	1.5 N
Coating strip peak force	1.3 - 8.9 N
Dynamic stress corrosion susceptibility parameter (nd)	≥27