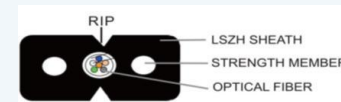
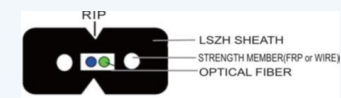


NEXCELL NETLINK FTTH INDOOR CABLE

MULTIMODE OM4 / SINGLE MODE

- Good mechanical and environmental features
- 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.



MAIN SPECIFICATIONS

Range of products	NetLink
Product / component type	FTTH indoor cable

TECHNICAL SPECIFICATIONS

Core Concentricity error	$\leq 0.6\mu\text{m}$
Cladding non-circularity	$\leq 1.0\%$
Primary Coating Diameter	$250 \pm 15\mu\text{m}$
Coating-Cladding Concentricity error	$\leq 12.5\mu$
Cable Weight	8KG/KM
Cable Diameter	$3.1 \times 2.0 \pm 0.2\text{MM}$
Fiber Range	1-6 Core
Fiber Type	Single-Mode: G.652.D, G.657.A1/A2 or Multimode: OM4

APPLICATIONS

- Can be used as access building cable
- Can be used indoors as FTTH cable
- Can be used as drop cable

SINGLE MODE

Optical Fiber Type	Waveband	Attenuation
Parameter	Wavelength (nm)	Value
Attenuation	1310	≤0.35 dB/km
	1383	≤0.35 dB/km
	1460	≤0.23 dB/km
	1490	≤0.21 dB/km
	1550	≤0.23 dB/km
	1625	≤0.23 dB/km
Attenuation vs. Wavelength Max. a difference	1285 - 1330	≤0.03 [dB/km]
	1525 - 1575	≤0.02 [dB/km]
Dispersion coefficient	1285 – 1340	±3.0 ps/(nm·km)
	1550	≤18 ps/(nm·km)
	1625	≤22 ps/(nm·km)
Zero Dispersion Wavelength		1300 -1324 [nm]
Zero Dispersion slope Typical value		≤0.090 [ps/(nm ² .km)]
		0.086 [ps/(nm ² .km)]
PMD		≤0.2 [ps √ km]
Maximum Individual Fiber		≤0.1 [ps √ km]
Link Desing Value (M=20,Q=0.01%) Typical value		0.04 [ps √ km]
Cable cutoff wavelength λ_{∞}		≤1260 nm
Mode field diameter (MDF)	1310	9.0±0.4 μm
	1550	10.0±0.5 μm
Effective group index of refraction (N_{off})	1310	1.466
	1550	1.467
Point discontinuities	1310	≤0.05 [dB]
	1550	≤0.05 [dB]

MULTIMODE (OM4)

Optical Fiber Type	Waveband	Attenuation
Parameter	Wavelength (nm)	Value
Attenuation	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
Water soak 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

ORDER INFORMATION

Product Description	Part No
XCELL NetLink Single Mode FTTH Drop Cable – 2 Core	XLN-FTTHSM-02C
XCELL NetLink OM4 Multimode FTTH Drop Cable – 2 Core	XLN-FTTHOM4-02C
XCELL NetLink OM4 Multimode FTTH Drop Cable – 4 Core	XLN-FTTHOM4-04C
XCELL NetLink OM4 Multimode FTTH Drop Cable – 6 Core	XLN-FTTHOM4-06C