

Product Category: LANscape® FutureLink™ Indoor / Outdoor Cable

Product: Indoor/Outdoor breakout cable MPC / AT-VQH(BN)H 2-12 E9L/125

Fibre: Full spectrum single-mode fibre, SMF-28e™ OS2

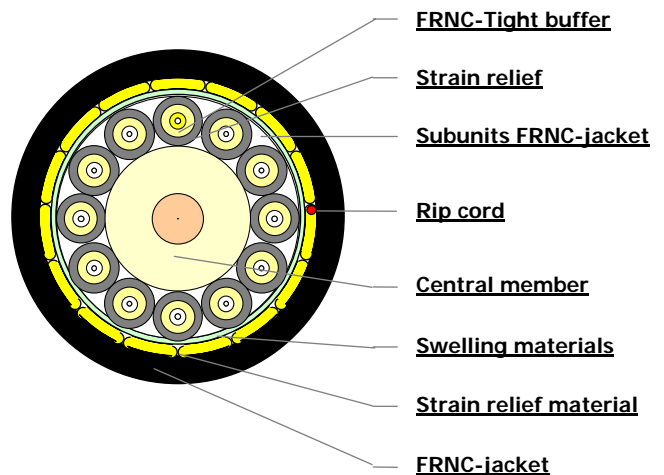
Application

Evolant® MPC (multi-purpose) universal cables can be employed both indoors and outdoors for campus backbone and building backbone (riser).

The cables can be installed in conduits, ducts and can be buried directly in the ground. Not suitable for submersible use.

Cable

- Low smoke (IEC 61034 and EN 50268) and zero- halogen (LSZH™)
- Non corrosive according to IEC 60754-2 and EN 50286
- Flame retardant to IEC 60332-3C and EN 50266-2-4
- Waterblocking to IEC 60794-1-F5
- Glass yarn: enhanced rodent protection
- UV- and microbe resistant
- Direct burial in the ground possible
- Light, thin and robust cable
- Color code of fibres / bundles according to Telcordia Bellcore



Characteristics of Cable

Mechanical and environmental:

Temperature range		Laying and installation		[°C]		Tensile strength for installation [N]
		Operation	Transport and storage			
Number of fibres	Outer-Ø [mm]	Weight [kg/km]	Bending radius during installation [mm]	Bending radius during operation [mm]		
2 (2 blind units)	10.4	91	235	210	-5 to +50	1500
4	10.4	91	235	210	-30 to +70	1500
6	12.7	150	285	255	-30 to +70	1500
8	14.3	190	320	285		2000
12	17.6	295	395	350		4000

Design

Tight buffered fibre

- Tight buffer: \varnothing 900 μ m, type TB3, easy strip up to 10 cm
- Colour: 1st tight buffered fibre yellow, others white

Subunits

- Tight buffered fibre
- Aramid yarn: strain relief
- Flame retardant and zero halogen sheath, grey
- Outer diameter: 2,8 mm
- Subunits are numbered (1st element has a coloured tight buffer, the others are white)

Cable

- Dielectric central member
- 4 to 12 subunits stranded around the central member
- Glass yarn: non metallic rodent protection
- Swelling tape: water blocking
- Flame retardant and zero halogen sheath, black

Cable Marking:

meter - double sine - CORNING - <cable designation> - <year>

Fibre

- The single mode fibres fully comply with ITU-T G.652 D (reduced OH-Peak) and show a minimum of attenuation throughout the range from 1285 nm to 1625 nm.
- According to TIA/EIA 492-CAAB
- According to IEC 60793-2-50 Type B1.3
- According to Telcordia GR-20

Optical Characteristics of fibers E9/125:

Mode field diameter	[μ m]	9.2 \pm 0.4
Attenuation at 1310 nm	[dB/km]	\leq 0.38
Attenuation at 1550 nm	[dB/km]	\leq 0.25
Attenuation at 1383 nm	[dB/km]	\leq 0.38
Dispersion in the range 1285 to 1330 nm	[ps/(nm*km)]	\leq 3.5
Dispersion at 1550 nm	[ps/(nm*km)]	\leq 18
Cable cut-off wavelength	[nm]	\leq 1260

Ordering Information:

Type designation	AT-VQH(BN)H 2xE9L/125	AT-VQH(BN)H 4x E9L/125	AT-VQH(BN)H 6x E9L/125
Max. delivery length	4000m	4000m	4000m
Ordering number	LCXLO2-D3002-U720	LCXLO2-D3004-U720	To be def. in case of order

Type designation	AT-VQH(BN)H 8xE9L/125	AT-VQH(BN)H 12xE9L/125
Max. delivery length	4000m	4000m
Ordering number	LCXLO2-D3008-U720	To be def. in case of order

Minimum order quantity per cable type: 6000 m.

Other cable and fibre types are possible upon request.