CORNING

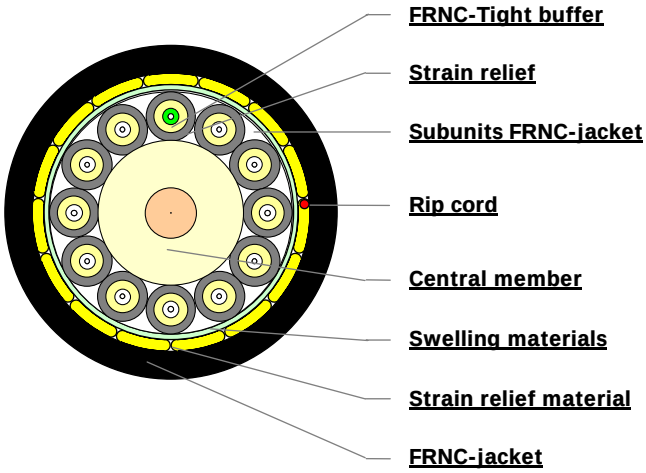
Product Category: **LANscape® Future*Link*™ Indoor / Outdoor Cable**

Product: **Indoor/Outdoor breakout cable MPC / AT-VQH(BN)H 2-12 G50L/125**

Fibre: **Laser Optimized Multimode Fibre, InfiniCor® 600 / OM2**

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

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Design

Tight buffered fibre

- Tight buffer: Ø 900 µm, type TB3, easy strip up to 10 cm
- Colour: 1st tight buffered fibre green, 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>

Fiber

- The fibre is fully compliant to the ITU-T G.651
- Optimized for VCSEL coupling conditions
- Warranted min. lengths for 1 and 10 Gigabit transmission according to IEEE 802.3z and IEEE 802.3ae

Optical Characteristics of fibres G50L/125 InfiniCor® 600 OM2:

Typical attenuation at 850 nm	[dB/km]	2.7
Typical attenuation at 1300 nm	[dB/km]	0.8
Bandwidth-length product (OFL=Overfilled Launch) for 1 km at 850 nm	[MHz x km]	≥ 500
Bandwidth-length product (OFL= Overfilled Launch) for 1 km at 1300 nm	[MHz x km]	≥ 500
Laser Bandwidth-length product (RML=Restricted mode launch) for 1 km at 850 nm	[MHz x km]	≥ 585
Guaranteed minimum distances for Gigabit Ethernet at 850 nm	m	600
Guaranteed minimum distances for Gigabit Ethernet at 1300 nm	m	550
Guaranteed minimum distances for 10 Gigabit Ethernet at 850 nm	m	100

The capability of the fibre is predicted by RML BW according to TIA/EIA 455-204 and IEC 60793-1-41 for laser BW < 850 MHz*km. This measurement method guarantees a future proof application at 1Gbit and 10Gbit. The fibre fulfils all requirements of TIA/EIA 492AAAB, OM2 classification according to standard ISO/IEC 11801 (2002) and EN 50173-1 (2003)

Ordering Information:

Type designation	AT-VQH(BN)H 2xG50L/125	AT-VQH(BN)H 4xG50L/125	AT-VQH(BN)H 6xG50L/125
Max. delivery length	4000m	4000m	4000m
Ordering number	**To be def. in case of order**	**To be def. in case of order**	**To be def. in case of order**

Type designation	AT-VQH(BN)H 8xG50L/125	AT-VQH(BN)H 12xG50L/125
Max. delivery length	4000m	4000m
Ordering number	**LCXLO2-L3008-B720**	**To be defined in case of order**

Minimum order quantity per cable type: 6000 m.

Other cable and fibre types are possible upon request.

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