

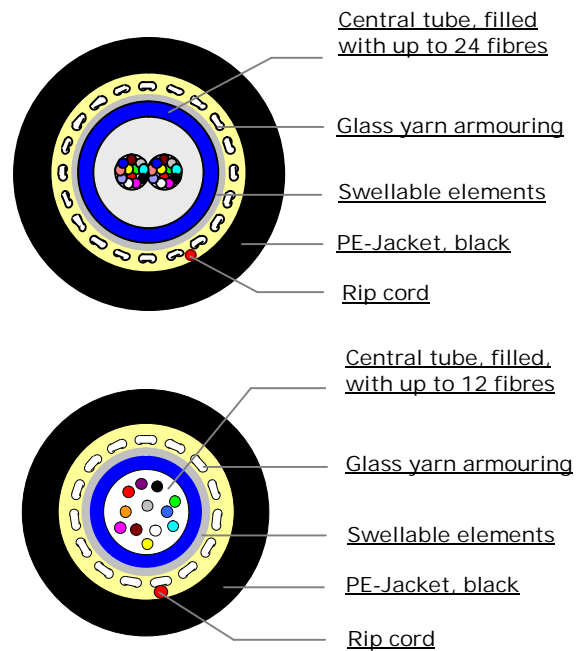
Product Family: LANscape® Evolant® Outdoor Cable
Product: Central tube Cable MPC / A-DQ(BN)2Y 4– 24G62.5L/125
Fibre: Laser-optimized multimode fibre, InfiniCor® 300, OM1

Description and applications

Evolant® cables can be employed outdoor for campus backbone. The cables can be installed in conduits, ducts and be buried directly in the ground.

Cable

- Water blocking to IEC 60794-1-F5
- Metal-free cable, hence no ground loop problems.
- Enhanced rodent protection by laminated glass yarn.
- UV and microbe resistant.
- Can be directly buried or installed in ducts.
- Thin, robust cable.
- Telcordia (Bellcore) color standard for fibers



Cable characteristics

Mechanical and environmental.

Temperature range		Laying and installation		[°C]		-5 to +50	
		Operation				-20 to +60	
		Transport and storage				-25 to +70	
Fibre count	Cable Ø [mm]	Cable weight [kg/km]	Min. bend radius during installation [mm]	Min. bend radius in service [mm]	Max. tensile load during installation [N]	Max. crash resistance (short term, reversible) [N/10cm]	Water penetration (0.1bar/24 h) [N]
4	7,0	38	150	140	1000	1500	≤ 3
6	7,0	38	150	140	1000	1500	≤ 3
8	7,0	38	150	140	1000	1500	≤ 3
12	7,0	38	150	140	1000	1500	≤ 3
16 (2x8)	9,0	62	190	170	1500	1500	≤ 3
24 (2x12)	9,0	62	190	170	1500	1500	≤ 3

Design

Fibres and central tube

- Fibres colour coding: blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
- Fibre bundle >12 fibres: blue, orange
- Buffer tube: blue, up to 12 fibres Ø=3.0mm, >12 fibres Ø=5.0mm

Cable

- Swellable elements
- Glass yarn protection
- PE-jacket
- Jacket colour: black
- Cable printing:
meter marking handset double sinus CORNING year

Fibre

- 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 Laser Optimized Fibres G62.5L/125 InfiniCor® 300 OM1:

Typical attenuation at 850 nm	[dB/km]	3.1
Typical attenuation at 1300 nm	[dB/km]	0.8
Bandwidth-length product (OFL=Overfilled Launch) for 1 km at 850 nm	[MHz x km]	≥ 200
Bandwidth-length product (OFL=Overfilled Launch) for 1 km at 1300 nm	[MHz x km]	≥ 600
Laser Bandwidth-length product (RML=Restricted mode launch) for 1 km at 850 nm	[MHz x km]	≥ 220
Guaranteed minimum distances for Gigabit Ethernet at 850 nm	m	300
Guaranteed minimum distances for Gigabit Ethernet at 1300 nm	m	550
Guaranteed minimum distances for 10 Gigabit Ethernet at 850 nm	m	33

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 fulfills all requirements of TIA/EIA 492AAAA, OM1 classification according to standard ISO/IEC 11801 (2002) and EN 50173-1 (2003)

Ordering information:

Type description	A-DQ(BN)2Y 4G62.5L/125	A-DQ(BN)2Y 6G62.5L/125	A-DQ(BN)2Y 8G62.5L/125
Delivery length	4000m	4000m	4000m
Ordering number	FWCT01-S0004-A002	FWCT01-S0006-A002	FWCT01-S0008-A002

Type description	A-DQ(BN)2Y 12G62.5L/125	A-DQ(BN)2Y 16G62.5L/125	A-DQ(BN)2Y 24G62.5L/125
Delivery length	4000m	4000m	4000m
Ordering number	FWCT01-S0012-A002	FWCT01-S0016-A002	FWCT01-S0024-A002

Other cable and fibre types are possible upon request.