

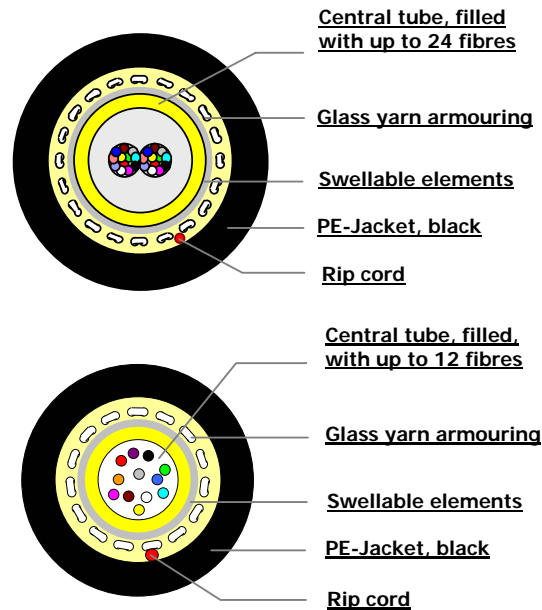
**Product Family:** LANscape® Evolant® Outdoor Cable  
**Product:** Central tube Cable MPC / A-DQ(BN)2Y 4 – 24E9/125  
**Fibre:** Full- spectrum Single Mode Fibre, SMF28e+ , OS2

### 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 fibres



### 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	7.9	47	169	158	1000	1500	≤ 3
6	7.9	47	169	158	1000	1500	≤ 3
8	7.9	47	169	158	1000	1500	≤ 3
12	7.9	47	169	158	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: yellow. up to 12 fibres Ø=3.5 mm. >12 fibres Ø=5.0 mm

### Cable

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

### Fibre

- The single mode fibers 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 (OS2):

Mode field diameter	[µm]	9.2 ± 0.4
Attenuation @ 1310 nm	[dB/km]	≤ 0.35
Attenuation @ 1550 nm	[dB/km]	≤ 0.20
Attenuation @ 1383 nm	[dB/km]	≤ 0.35
Dispersion in the range 1285 to 1330 nm	[ps/(nm*km)]	≤ 3.5
Dispersion @ 1550 nm	[ps/(nm*km)]	≤ 18
Cable cutoff wavelength	[nm]	≤ 1260

### Ordering information:

Type description	A-DQ(BN)2Y 4E9/125	A-DQ(BN)2Y 6E9/125	A-DQ(BN)2Y 8E9/125
Delivery length	6000 m	6000 m	6000 m
Ordering number	<b>FWCT01-S0004-U002</b>	<b>FWCT01-S0006-U002</b>	<b>FWCT01-S0008-U002</b>

Type description	A-DQ(BN)2Y 12E9/125	A-DQ(BN)2Y 16E9/125	A-DQ(BN)2Y 24E9/125
Delivery length	6000 m	6000 m	6000 m
Ordering number	<b>FWCT01-S0012-U002</b>	<b>FWCT01-S0016-U002</b>	<b>FWCT01-S0024-U002</b>

Other cable and fibre types are possible upon request.