

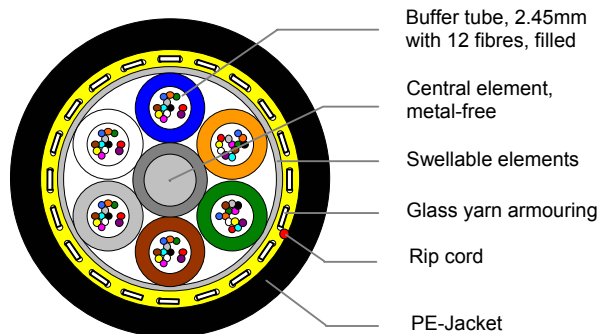
Product Family: LANscape® Evolant® Outdoor Cable
Product: Loose tube cable with glass yarn armouring / A-DQ(BN)2Y 12-144 E9/125 LG
Fibre: Full- Spectrum Single Mode Fibre, SMF28e+, OS2

Description and applications

Evolant® cables can be employed outdoors 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 and tubes



Example: A-DQ(BN)2Y 6x12E9/125 LG

Cable characteristics

Mechanical and environmental:

Temperature range		Laying and installation		[°C]		-5 to +50	
		Operation				-30 to +70	
		Transport and storage				-40 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]
2x6	11.6	110	260	230	4000	2000	≤ 3
4x6	11.6	110	260	230	4000	2000	≤ 3
2x12	11.6	110	260	230	4000	2000	≤ 3
3x12	11.6	110	260	230	4000	2000	≤ 3
4x12	11.6	110	260	230	4000	2000	≤ 3
5x12	11.6	110	260	230	4000	2000	≤ 3
6x12	11.6	110	260	230	4000	2000	≤ 3
8x12	13.1	140	295	265	5000	2000	≤ 3
12x12	16.7	215	375	330	5000	2000	≤ 3

Design

Fibres and buffer tubes

- Fibres colour coding: blue. orange. green. brown. grey. white. red. black. yellow. violet. pink. turquoise
- Buffer tubes colour: blue. orange. green. brown. grey. white. red. black. yellow. violet. pink. turquoise

Cable

- Dielectric central element
- Stranded buffer tubes. filled with thixotropic filling compound
- Swellable elements
- Glass yarn protection
- PE-Jacket
- Jacket colour: black
- Cable printing:
meter marking handset double sinus Corning year

Fibre

- The single mode fibres are fully comply with ITU-T G.652 categories A. B. C and 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 Full Spectrum Single Mode Fibre. E9/125. SMF28e+. 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

Fibre data are available upon request (fibre datasheet)

Order information:

Type description	A-DQ(BN)2Y 2x6E9/125 LG	A-DQ(BN)2Y 4x6E9/125 LG	A-DQ(BN)2Y 2x12E9/125 LG
Delivery length	6000 m	6000 m	6000 m
Ordering number	FWLT01-N6012-U003	FWLT01-N6024-U003	FWLT01-S0024-U003

Type description	A-DQ(BN)2Y 3x12E9/125 LG	A-DQ(BN)2Y 4x12E9/125 LG	A-DQ(BN)2Y 5x12E9/125 LG
Delivery length	6000 m	6000 m	6000m
Ordering number	FWLT01-S0036-U003	FWLT01-S0048-U003	FWLT01-S0060-U003

Type description	A-DQ(BN)2Y 6x12E9/125 LG	A-DQ(BN)2Y 8x12E9/125 LG	A-DQ(BN)2Y 12x12E9/125 LG
Delivery length	6000 m	6000 m	6000 m
Ordering number	FWLT01-S0072-U003	FWLT01-S0096-U003	FWLT01-S0144-U003

Other cable and fibre types are possible upon request.