

# Outdoor central tube cable (maxibundle) with glass yarn armouring A-DQ(BN)2Y 4 - 24

CORNING

## Features and Benefits

### Waterblocking technology

OSP (outdoor) applications

### All-dielectric cable construction

Requires no grounding or bonding

### Laminated glass yarns

For improved rodent resistance

### UV and microbe resistant

Can be directly buried or installed in ducts

The outdoor central tube (maxibundle) cables can be deployed both indoor and outdoor for campus backbone and building backbone (riser) cabling as well as for the cabling between floor distributors. The cables can be installed in conduits, ducts and be buried directly in the ground.

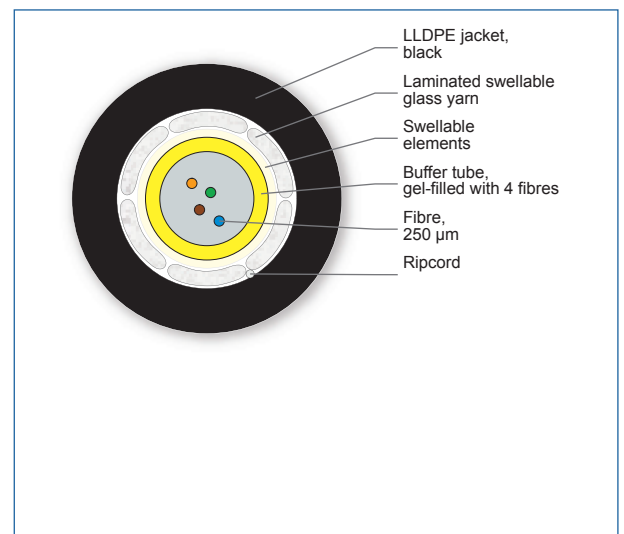
## Standards

Waterblocking	Waterblocking according to IEC 60794-1-2-F5
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Approval and Listings	Telcordia (Bellcore) colour standard for fibres and tubes
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A-DQ(BN)2Y Central Tube OS2



A-DQ(BN)2Y 1x4E9/125 CT

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A-DQ(BN)2Y Central Tube OM2/OM3/OM4



A-DQ(BN)2Y 1x24G50CC OM4/125 CT

## Specifications

Cable Design	
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Buffer tube colour coding	Yellow (E9/125), Green (G50/125), Blue (G62.5L/125)
Buffer tube diameter	up to 12 fibres 3.0 mm, > 12 fibres 5.0 mm
Tensile Strength Elements and/or Armouring - Layer 1	Water-swellable dielectric strength members
Outer Jacket Material	Linear Low Density Polyethylene (LLDPE)
Outer Jacket Nominal Thickness	1.5 mm
Outer Jacket Colour	Black
Cable Marking	Metre - Handset - Sine - CORNING - Year - Cable type + Fibre count + Fibre type

Temperature Range	
Installation and Assembly	-5 °C to 50 °C
Operation	-20 °C to 60 °C
Storage	-25 °C to 70 °C

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## Mechanical Characteristics Cable

Fibre Count	Weight	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Max. Tensile Strength for Installation	Crush Resistance (reversible)	Fibres per Tube
4 - 12	34 kg/km	6.4 mm	130 mm	100 mm	1000 N	1500 N/10cm	
24	63 kg/km	9 mm	180 mm	135 mm	1500 N	2500 N/10cm	
24	63 kg/km (140 lb/1000 ft)	9.0 mm (0.35 in)	180 mm (7.1 in)	135 mm (5.32 in)	1500 N	2500 N/10cm	12

\* Fibre count per tube, colour coding of fibres and/or buffer tubes, hybrid construction, jacket colour and/or printings deviating from standard design have no influence whatsoever on mechanical and optical characteristics.

## Chemical characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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## Transmission Performance

### Multimode

Fibre Name	G50/125 ULTRA-BEND 7.5	G50/125 ULTRA-BEND 7.5	G50/125 ULTRA-BEND 7.5	G62.5L/125 InfiniCor® 300	E9/125 SMF28e+
Fibre Core Diameter (µm)	50	50	50	62.5	8.2
Fibre Category	OM4	OM3	OM2	OM1	OS2
Fibre Code	K	H	G	A	U
Wavelengths (nm)	850/1300	850/1300	850/1300	850/1300	1310/1383/1550
Maximum Attenuation (dB/km)	2.8/1.0	2.8/1.0	2.8/1.0	3.1/0.8	0.36/0.36/0.22
Typical attenuation (dB/km)	2.4/0.8	2.4/0.8	2.4/0.8	2.9/0.7	-
Serial 1 Gigabit Ethernet (m)	1100/600	1000/600	750/600	300/550	5000/-
Serial 10 Gigabit Ethernet (m)	550/-	300/333	150/-	33/-	10000/-/40000
Min. Overfilled Launch (OFL) Bandwidth (MHz*km)	3500/500	1500/500	700/500	200/600	-
Minimum Effective Modal Bandwidth (EMB) (MHz*km)	4700/-	2000/-	950/-	220/-	-
Induced attenuation @ 7.5 mm radius (dB)	<0.2/-	<0.2/-	<0.2/-	-	-
Cable cutoff wavelength (nm)	-	-	-	-	1260

# Outdoor central tube cable (maxibundle) with glass yarn armouring A-DQ(BN)2Y 4 - 24

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Ordering Information | *Note: Contact Customer Service at 00800 2676 4641 for other options.*

F W C T 0 1 - S 0 0       -    0 0 2

1
2
3

**1** Select fibre count.

04 = 4 fibres  
06 = 6 fibres  
08 = 8 fibres  
12 = 12 fibres  
16 = 16 fibres  
24 = 24 fibres

**2** Select fibre category.

A = 62.5 µm multimode (OM1)  
G = 50 µm multimode (OM2)  
H = 50 µm multimode (OM3)  
K = 50 µm multimode (OM4)  
U = Single-mode, SMF-28e® (OS2)

**3** Defines cable type.

002 = Outdoor central tube  
(maxibundle) cable

\*Maximum delivery length per drum is 4000 metres +3/-2% for Multimode fibres and 6000 metres +3/-2% for Single-mode fibres.

\*Please notice that in the hybrid cables construction (different fibre types) the Multimode fibres are in sequence from the higher to the lower performance followed by the Single-mode fibres.

\*For ordering information regarding non-standard design cables, please contact our Customer Service Centre. (See bottom of page for contact information.)



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