

Multipurpose central tube cable (maxibundle) with corrugated steel armouring A-DQ(ZN)(SR)H 4 - 24

CORNING

Features and Benefits

Dielectric strength elements

Aramid yarn

Corrugated steel tape

Protection against rodents and mechanical damage

UV and microbe resistant

Can be directly buried or installed in ducts

Fibres/buffer tubes colour coding to IEC 60304 (Telcordia-Bellcore)

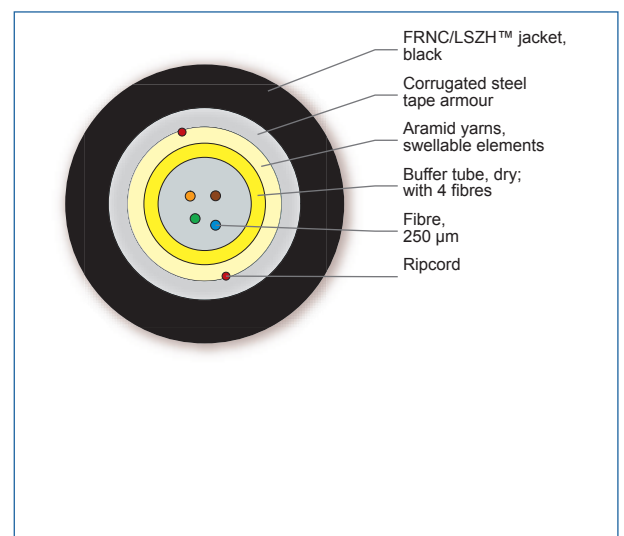
Easy identification of the individual tubes and fibres

The MPC (Multi-Purpose Cables) central tube (indoor/ outdoor 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.



A-DQ(ZN)(SR)H Central Tube OS2



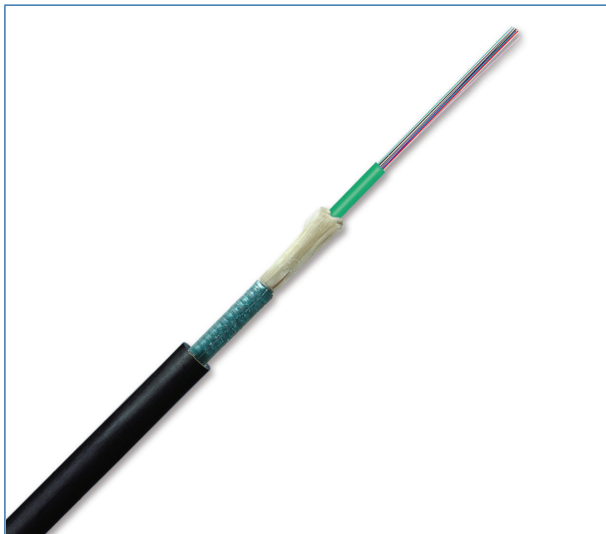
A-DQ(ZN)(SR)H 1X4E9/125 CT

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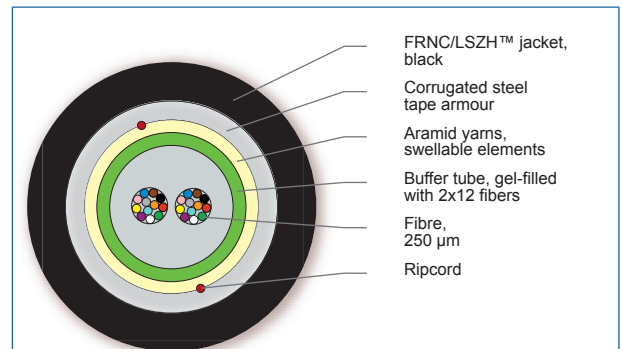
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Standards

Waterblocking	Waterblocking according to IEC 60794-1-2-F5
Flame test method	Low smoke (IEC 61034 and EN 50268) and zero halogen (LSZH) Non corrosive to IEC 60754-2 and EN 50267 Flame retardant according to IEC 60332-3C and EN 50266-2-4
Approval and Listings	Telcordia (Bellcore) colour standard for fibres and tubes



A-DQ(ZN)(SR)H Central Tube OM2/OM3/OM4



A-DQ(ZN)(SR)H 2x12G50CC 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 mm, > 12 fibres 5 mm
Outer jacket material	Linear Low Density Polyethylene (LLDPE)

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Cable Design

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

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)
4 - 12	76 kg/km	7.5 mm	150 mm	110 mm	1000 N	2000 N/10cm
16 - 24	114 kg/km	9.7 mm	195 mm	145 mm	1500 N	3000 N/10cm

* 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

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 Type	Multimode	Multimode	Multimode	Multimode	Single-mode
Fibre Core Diameter (µm)	50	50	50	62.5	8.2
Fibre Category	OM4	OM3	OM2	OM1	OS2
Wavelengths (nm)	850 / 1300	850 / 1300	850 / 1300	850 / 1300	1310 / 1383 / 1550
Maximum Attenuation (dB/km)	2.8 / 1	2.8 / 1	2.8 / 1	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	
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 / -	
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
Induced attenuation @ 7.5 mm radius (dB)	< 0.2 / -	< 0.2 / -	< 0.2 / -		
Standards in Compliance	TIA/EIA 492AAAD, Tested with min EMBc method to TIA/EIA 455-220, IEC 60793-2-10 Type A1a.2 Ed.2.0 and IEC 60793-1-49 ED.2.0 ITU-T G651, ISO/IEC 11801 Cat. OM4	TIA/EIA 492AAAC-A, Tested with minEMBc method to TIA/EIA 455-220, IEC 60793-2-10 Type A1a.2 Ed.2.0 and IEC 60793-1-49 ED.2.0, ITU-T G651, ISO/IEC 11801 Cat. OM3	TIA/EIA 492AAAB, Restricted Mode Launch (RML) according to TIA/EIA 455-204 and IEC 60793-1-41, ITU-T G651, ISO/IEC 11801 Cat. OM2	TIA/EIA 492AAAA, Restricted Mode Launch (RML) accordig to TIA/EIA 455-204 and (OFL) IEC 60793-1-41, ITU G651, ISO/IEC 11801 Cat. OM1	TIA/EIA 492-CAAB, IEC 60793-2-50 Type B1.3, ITU-T G.652 D, ISO/IEC 11801 Cat. OS2
Fibre Code	K	H	G	A	U
Cable cutoff wavelength (nm)					1260

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Ordering Information | Contact Customer Service at 00800-2676-4641 (00800-CORNING1) for other options.

F W C T 0 1 - S 0 0 - 0 0 4

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, OS2, SMF-28e®

3 Defines cable type.

004 = MPC armoured central tube (indoor/outdoor 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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