

Outdoor stranded loose-tube cables (minibundle), corrugated steel armouring A-DQ(ZN)(SR)2Y 12-144, 2.25 mm tubes

CORNING

Features and Benefits

Waterblocking technology

OSP (outdoor) applications

Corrugated steel tape

Protection against rodents and mechanical damage

UV and microbe resistant

Can be installed in ducts or conduits and direct buried

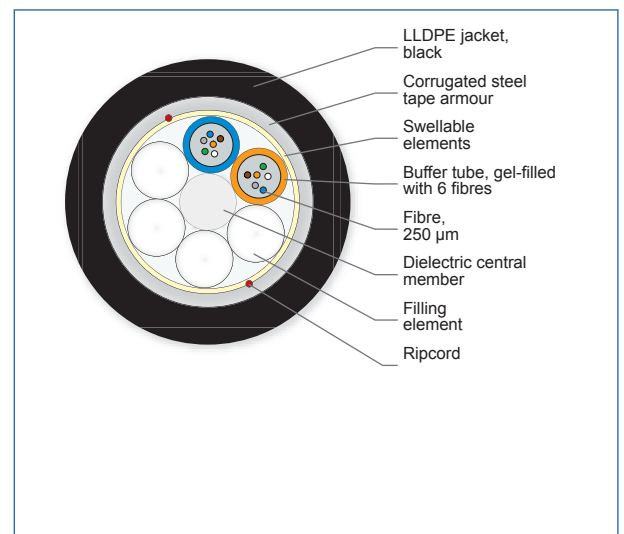
Corning stranded loose tube (minibundle) cables can be outdoor for campus backbone. The cables can be installed in conduits and ducts or can be buried directly in the ground.

Standards

Waterblocking	Waterblocking according to IEC 60794-1-2-F5
Approval and Listings	Telcordia (Bellcore) colour standard for fibres and tubes



A-DQ(ZN)(SR)2Y Stranded loose tube cables
(minibundle)



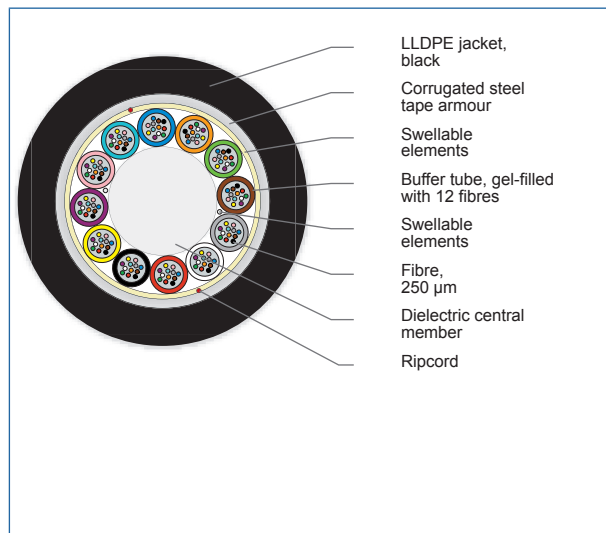
A-DQ(ZN)(SR)2Y 2x6

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A-DQ(ZN)(SR)2Y Stranded loose tube cables
(minibundle)



A-DQ(ZN)(SR)2Y 12x12

Specifications

Cable Design	
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Buffer tube colour coding	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Buffer tube diameter	2.25 mm
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	-30 °C to 70 °C
Storage	-40 °C to 70 °C

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Mechanical Characteristics Cable

Fibre Count	Fibres per Tube	Weight	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Max. Tensile Strength for Installation	Crush Resistance (reversible)
12 - 24	6	127 kg/km	11.6 mm	230 mm	175 mm	2700 N	3000 N/10cm
24 - 72	12	127 kg/km	11.6 mm	230 mm	175 mm	2700 N	3000 N/10cm
96	12	156 kg/km	13 mm	260 mm	195 mm	2700 N	3000 N/10cm
120	12	193 kg/km	14.5 mm	290 mm	215 mm	2700 N	3000 N/10cm
144	12	232 kg/km	16 mm	320 mm	240 mm	2700 N	3000 N/10cm
192 - 216	12	230 kg/km	16.2 mm	355 mm	240 mm	2700 N	3000 N/10cm
288	12	295 kg/km	18.3 mm	405 mm	275 mm	2700 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

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

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

F W L T 0 1 - - 0 0 1

1 2 3 4

1 Select fibres per tubes.

N6 = 6 fibres per tube
S0 = 12 fibres per tube

2 Select fibre count.

012 = 12 fibres
024 = 24 fibres
036 = 36 fibres
048 = 48 fibres
072 = 72 fibres
096 = 96 fibres
120 = 120 fibres
144 = 144 fibres

3 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®

4 Defines cable type.

005 = Outdoor armoured
stranded loose tube
(minibundle) 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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