

Outdoor stranded loose tube cable (minibundle) with glass yarn armouring A-DQ(BN)2Y 12-288 LT, 2.25 mm tubes

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

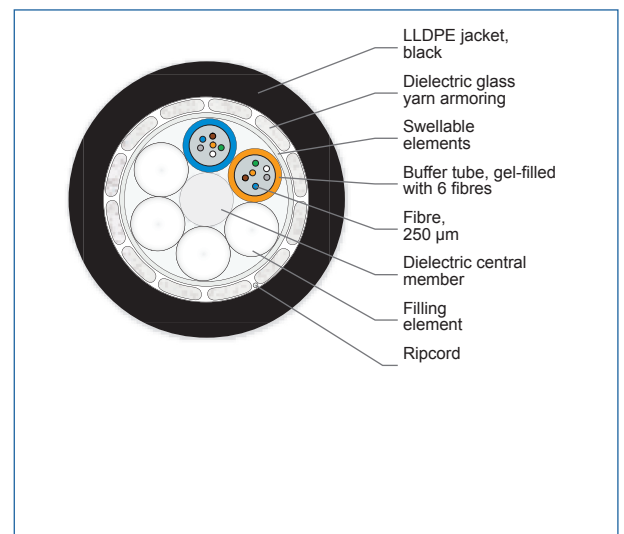
Standards

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 Loose tube cable (minibundle)



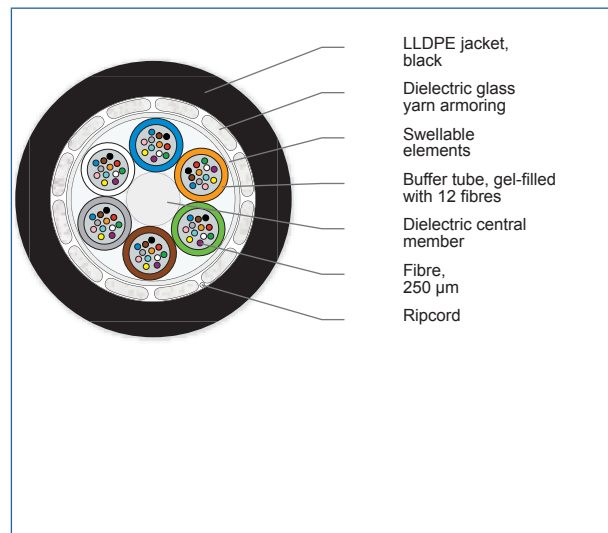
A-DQ(BN)2Y 2x6

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A-DQ(BN)2Y Loose tube cable (minibundle)



A-DQ(BN)2Y 6x12

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
Filling element colour	Natural
Filling element diameter	2.25 mm
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	Number of Active Tubes	Weight	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Max. Tensile Strength for Installation	Crush Resistance (reversible)
4	4	1	91 kg/km	10.9 mm	215 mm	160 mm	4000 N	2000 N/10cm
12 - 24	6	2 - 4	91 kg/km	10.9 mm	215 mm	160 mm	4000 N	2000 N/10cm
12 - 72	12	1 - 6	91 kg/km	10.9 mm	215 mm	160 mm	4000 N	2000 N/10cm
96	12	8	116 kg/km	12.3 mm	245 mm	185 mm	4000 N	2000 N/10cm
120	12	10	145 kg/km	13.8 mm	275 mm	205 mm	4000 N	2000 N/10cm
144	12	12	180 kg/km	15.3 mm	305 mm	230 mm	4000 N	2000 N/10cm
144	12	12	232 kg/km	15.3 mm	305 mm	230 mm	4000 N	2000 N/10cm
192 - 216	12	16 - 18	177 kg/km	15.5 mm	305 mm	230 mm	4000 N	2000 N/10cm
288	12	24	232 kg/km	17.6 mm	305 mm	265 mm	4000 N	2000 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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