

8007 7 xxx-00

A-DQ(ZN)2Y

LTC A-DQ(ZN)2Y Outdoor Fiber Optic Cable

Outdoor fiber optic cables, fully dielectric, with a lightweight multi-tube construction. They are characterized by flexibility and high tensile strength, and are resistant to UV radiation. Each tube can contain up to 24 optical fibers and is filled with hydrophobic gel to protect the fibers against moisture penetration. Designed for outdoor installation in telecommunication duct systems. Installation can be carried out using mechanical methods (pulling) and pneumatic methods (blowing).



Technical specifications

LTC A-DQ(ZN)2Y Outdoor Fiber Optic Cable

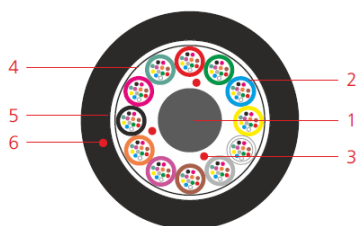
Product group	outdoor cable
Fiber standard	ITU-T G.657.A1
Deformation resistance	yes
Halogen-free (according to EN 13501-1/2)	yes
Longitudinal moisture penetration protection	yes
Rodent-resistant	not
Tube	Loose tube, gel-filled
Fiber type	SM
Outer sheath	HDPE
Outer sheath color	black
Outer sheath thickness	1,0 -1,2 mm
Operating temperature range	-30°C / +70°C
Installation temperature range	-15°C / +55°C
Transport temperature range	-40°C / +70°C



Available variants

LTC A-DQ(ZN)2Y Outdoor Fiber Optic Cable

Name	Catalogue number	Construction	Bending radius [mm]	Weight [kg/km]	Cable diameter [mm]	Maximum tensile force [N]
A-DQ(ZN)2Y 12J	8007 7 608-00	12 x SM (1x12)	165	49	8,2	2500
A-DQ(ZN)2Y 24J	8007 7 609-00	24 x SM (2x12)	165	50	8,2	2500
A-DQ(ZN)2Y 36J	8007 7 610-00	36 x SM (3x12)	165	50	8,2	2500
A-DQ(ZN)2Y 48J	8007 7 611-00	48 x SM (4x12)	165	51	8,3	2500
A-DQ(ZN)2Y 72J	8007 7 613-00	72 x SM (6x12)	165	52	8,2	2500
A-DQ(ZN)2Y 96J	8007 7 775-00	96 x SM (8x12)	200	78	9,7	5500
A-DQ(ZN)2Y 144J	8007 7 777-00	144 x SM (12x12)	250	119	12,2	2700
A-DQ(ZN)2Y 144J	8007 7 771-00	144 x SM (6x24)	215	89	10,7	5000
A-DQ(ZN)2Y 216J	8007 7 773-00	216 x SM (9x24)	265	135	13,3	4300
A-DQ(ZN)2Y 288J	8007 7 774-00	288 x SM (12x24)	320	191	16,0	4900



Budowa kabla

1. Centralny element wzmacniający (FRP).
2. Luźna tuba wypełniona włóknami.
3. Ochrona przed wzdłużnym przenikaniem wilgoci w postaci pęczniących włókien absorbujących wodę. W przypadku kabli o małej ilości włókien puste tuby zastąpione są wzdłużnymi elementami z tworzywa sztucznego.
4. Ochrona przed wzdłużnym przenikaniem wilgoci w postaci taśmy pęczniącej absorbującej wodę.
5. Linka umożliwiająca rozcięcie powłoki (ripcord).
6. Powłoka zewnętrzna HDPE.

Weather Resistance

Designed for outdoor use, thanks to its resistance to weather conditions, including rain, UV radiation, and extreme temperatures.

High Data Transmission Performance

The cable offers excellent bandwidth and minimal latency, making it ideal for advanced telecommunications applications and long-distance data transmission, ensuring stable and fast connections.

Mechanical Protection

It has a reinforced construction that protects the optical fibers from mechanical damage, such as pressure, bending, or impacts, ensuring long-term reliability and durability in harsh outdoor operating conditions.