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A-DQ(ZN)B2Y (Z-XOTKtcdDb)

CTC A-DQ(ZN)B2Y Outdoor Fiber Optic Cable

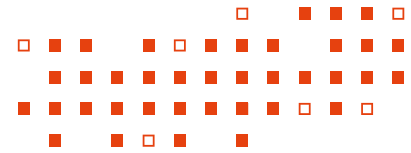
Outdoor fiber optic cables, fully dielectric, with a lightweight single-tube construction. They are characterized by flexibility and high tensile strength, and are resistant to UV radiation. The tube can contain up to 24 optical fibers and is filled with hydrophobic gel to protect the fibers against 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

CTC A-DQ(ZN)B2Y Outdoor Fiber Optic Cable

Product group	Outdoor, reinforced 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	yes
Tube	central
Fiber type	SM
Outer sheath	PE (poliethylen)
Outer sheath color	black
Outer sheath thickness	1,0 mm
Operating temperature range	-40°C / +70°C
Installation temperature range	-15°C / +50°C
Transport temperature range	-40°C / +70°C



Available variants

CTC A-DQ(ZN)B2Y Outdoor Fiber Optic Cable

Name	Catalogue number	Construction	Bending radius [mm]	Weight [kg/km]	Cable diameter [mm]	Maximum tensile force [N]
A-DQ(ZN)B2Y 4J	8007 5 530-00	4 x SM (1x4)	135	35	6,0	1600
A-DQ(ZN)B2Y 8J	8007 5 532-00	8 x SM (1x8)	135	38	6,3	1600
A-DQ(ZN)B2Y 12J	8007 5 533-00	12 x SM (1x12)	135	38	6,3	1600
A-DQ(ZN)B2Y 24J	8007 5 534-00	24 x SM (1x24)	150	44	6,8	1600



Weather Resistance

The A-DQ(ZN)B2Y cable is designed for outdoor use, meaning it is resistant to various weather conditions such as rain, snow, and UV radiation, thanks to the use of appropriate protective materials.

High Data Transmission Performance

This type of fiber optic cable provides very high bandwidth and minimal data transmission latency, which is crucial for applications requiring high information throughput, such as telecommunications and data transmission.

Mechanical Protection

The cable's construction includes special reinforcements that protect the optical fibers from mechanical damage, such as pressure, bending, or impacts, which increases the cable's durability and reliability in harsh outdoor conditions.