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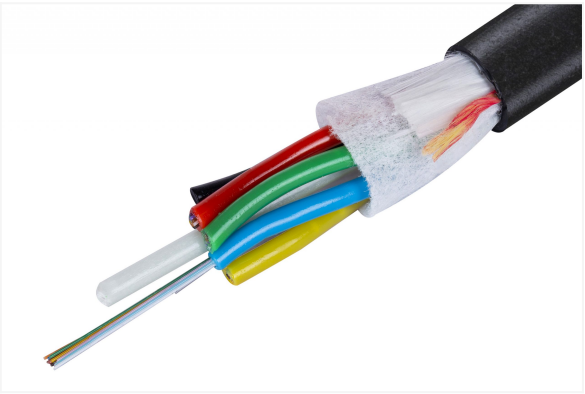
8007 7 7xx-00 | A-DQ(ZN)B2Y

LTC RP A-DQ(ZN)B2Y 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 RP 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	Loose tube
Fiber type	SM
Outer sheath	HDPE (poliethylen)
Outer sheath color	black
Outer sheath thickness	1,0 -1,7 mm
Operating temperature range	-40°C / +70°C
Installation temperature range	-15°C / +55°C
Transport temperature range	-40°C / +70°C

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Available variants

LTC RP 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 7 803-00	4 x SM (2x2)	150	45	7,6	1500
A-DQ(ZN)B2Y 6J	8007 7 804-00	6 x SM (3x2)	150	46	7,6	1500
A-DQ(ZN)B2Y 8J	8007 7 805-00	8 x SM (4x2)	150	46	7,6	1500
A-DQ(ZN)B2Y 12J	8007 7 806-00	12 x SM (6x2)	150	47	7,6	1500
A-DQ(ZN)B2Y 12J	8007 7 800-00	12 x SM (2x6)	150	45	7,6	1500
A-DQ(ZN)B2Y 12J	8007 7 747-00	12 x SM (3x4)	150	46	7,6	1500
A-DQ(ZN)B2Y 24J	8007 7 749-00	24 x SM (6x4)	150	47	7,6	1500
A-DQ(ZN)B2Y 24J	8007 7 801-00	24 x SM (4x6)	150	46	7,6	1500
A-DQ(ZN)B2Y 24J	8007 7 750-00	24 x SM (2x12)	170	58	8,6	3500
A-DQ(ZN)B2Y 36J	8007 7 802-00	36 x SM (6x6)	150	47	7,6	1500
A-DQ(ZN)B2Y 36J	8007 7 751-00	36 x SM (3x12)	170	59	8,6	3500
A-DQ(ZN)B2Y 48J	8007 7 784-00	48 x SM (6x8)	170	60	8,6	3500
A-DQ(ZN)B2Y 48J	8007 7 785-00	48 x SM (8x6)	180	67	9,0	3500
A-DQ(ZN)B2Y 48J	8007 7 752-00	48 x SM (4x12)	170	60	8,6	3500
A-DQ(ZN)B2Y 60J	8007 7 753-00	60 x SM (5x12)	170	60	8,6	3500
A-DQ(ZN)B2Y 72J	8007 7 754-00	72 x SM (6x12)	170	61	8,6	3500
A-DQ(ZN)B2Y 96J	8007 7 755-00	96 x SM (8x12)	200	87	10,0	6000
A-DQ(ZN)B2Y 120J	8007 7 756-00	120 x SM (10x12)	230	110	11,5	6000
A-DQ(ZN)B2Y 144J	8007 7 767-00	144 x SM (12x12)	255	131	12,6	6000
A-DQ(ZN)B2Y 144J	8007 7 778-00	144 x SM (6x24)	220	102	11,1	4000

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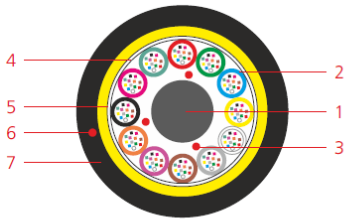
Name	Catalogue number	Construction	Bending radius [mm]	Weight [kg/km]	Cable diameter [mm]	Maximum tensile force [N]
A-DQ(ZN)B2Y 192J	8007 7 779-00	192 x SM (8x24)	240	136	12,9	4000
A-DQ(ZN)B2Y 216J	8007 7 780-00	216 x SM (9x24)	275	152	13,7	6000
A-DQ(ZN)B2Y 288J	8007 4 195-00	288 x SM (12x24)	330	212	16,5	7000
A-DQ(ZN)B2Y 12J	8007 4 552-00	12 x SM (2x6)	200	79	10	4000
A-DQ(ZN)B2Y 24J	8007 4 555-00	24 x SM (4x6)	200	80	10,0	4000
A-DQ(ZN)B2Y 24J	8007 7 604-00	24 SM (2x12)	210	80	10,3	4000
A-DQ(ZN)B2Y 48J	8007 4 559-00	48 x SM (8x6)	225	103	11,3	4000
A-DQ(ZN)B2Y 48J	8007 7 606-00	48 x SM (4x12)	210	82	10,3	4000
A-DQ(ZN)B2Y 288J	8007 4 572-00	288 x SM (24x12)	380	242	17,9	5000



Budowa kabla

1. Centralny element wzmacniający (FRP).
2. Luźna tuba wypełniona włóknami (opcjonalnie wypełniacz).
3. Ochrona przed wzdłużnym przenikaniem wilgoci w postaci pęczniejących 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 pęczniejącej absorbującej wodę.
5. Ochrona przeciwgryzoniowa, wzmocnienie z włókna szklanego.
6. Linka umożliwiająca rozcięcie powłoki (ripcord) - opcjonalnie.
7. 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.

Robust Mechanical Construction

The cable is equipped with reinforcements that protect the optical fibers from mechanical damage, such as pressure, bending, or impacts, ensuring long-lasting durability and reliability in harsh outdoor conditions.