

Fibre Optic Outdoor Cable

acc. DIN VDE 0888

HELUCOM®
A-DQ(ZN)B2Y, stranded



Cable structure

Core type: Loose tube
GRP support element
Strain relief elements: Glass yarns
Type of armouring: Glass yarns
Outer sheath material: PE
Outer sheath colour: Black

Temperature range

Laying, min.: -5°C
Laying, max.: +50°C
Operating, min.: -20°C
Operating, max.: +60°C

Other data

Corrosiveness acc. to EN50267-2-3
Halogen-free acc. to 60754-2
Longitudinally water-tight acc. to IEC 60794-1-2-F5
UV-resistant

Designation	No. of fibres	Fibre type	Fibre category	Number of fibres per core	Outer Ø app. mm	Max. tensile force N	Min. stat. bending radius mm	Caloric load app. MJ / m	Max. transverse pressure N / cm	Weight kg / km	Part no.
A-DQ(ZN)B2Y 24	24	Multimode G50/125	OM2	12	10,5	2700	210,0	2,70	600	95,0	81382
A-DQ(ZN)B2Y 24	24	Multimode G62.5/125	OM1	12	10,5	2700	210,0	2,70	600	95,0	80219
A-DQ(ZN)B2Y 24	24	Single-mode E9/125	ITU-T G.652	12	10,5	2700	210,0	2,70	600	95,0	80188
A-DQ(ZN)B2Y 36	36	Multimode G50/125	OM2	12	10,5	2700	210,0	2,70	600	95,0	81108
A-DQ(ZN)B2Y 36	36	Multimode G62.5/125	OM1	12	10,5	2700	210,0	2,70	600	95,0	81109
A-DQ(ZN)B2Y 36	36	Single-mode E9/125	ITU-T G.652	12	10,5	2700	210,0	2,70	600	95,0	81110
A-DQ(ZN)B2Y 48	48	Multimode G50/125	OM2	12	10,5	2700	210,0	2,70	600	95,0	82648
A-DQ(ZN)B2Y 48	48	Multimode G62.5/125	OM1	12	10,5	2700	210,0	2,70	600	95,0	81112
A-DQ(ZN)B2Y 48	48	Single-mode E9/125	ITU-T G.652	12	10,5	2700	210,0	2,70	600	95,0	81113
A-DQ(ZN)B2Y 60	60	Multimode G50/125	OM2	12	10,5	2700	210,0	2,70	600	95,0	80207
A-DQ(ZN)B2Y 60	60	Multimode G62.5/125	OM1	12	10,5	2700	210,0	2,70	600	95,0	80223
A-DQ(ZN)B2Y 60	60	Single-mode E9/125	ITU-T G.652	12	10,5	2700	210,0	2,70	600	95,0	80191
A-DQ(ZN)B2Y 72	72	Multimode G50/125	OM2	12	11,0	2700	220,0	2,90	600	100,0	81133
A-DQ(ZN)B2Y 72	72	Multimode G62.5/125	OM1	12	11,0	2700	220,0	2,90	600	100,0	81134
A-DQ(ZN)B2Y 72	72	Single-mode E9/125	ITU-T G.652	12	11,0	2700	220,0	2,90	600	100,0	81120
A-DQ(ZN)B2Y 84	84	Multimode G50/125	OM2	12	12,0	3000	240,0	3,60	600	140,0	80208
A-DQ(ZN)B2Y 84	84	Multimode G62.5/125	OM1	12	12,0	3000	240,0	3,60	600	140,0	80224
A-DQ(ZN)B2Y 84	84	Single-mode E9/125	ITU-T G.652	12	12,0	3000	240,0	3,60	600	140,0	80192
A-DQ(ZN)B2Y 96	96	Multimode G50/125	OM2	12	12,0	3000	240,0	3,60	600	140,0	81135
A-DQ(ZN)B2Y 96	96	Multimode G62.5/125	OM1	12	12,0	3000	240,0	3,60	600	140,0	81136
A-DQ(ZN)B2Y 96	96	Single-mode E9/125	ITU-T G.652	12	12,0	3000	240,0	3,60	600	140,0	81121
A-DQ(ZN)B2Y 108	108	Multimode G50/125	OM2	12	13,5	3000	270,0	4,30	600	155,0	80209
A-DQ(ZN)B2Y 108	108	Multimode G62.5/125	OM1	12	13,5	3000	270,0	4,30	600	155,0	80225
A-DQ(ZN)B2Y 108	108	Single-mode E9/125	ITU-T G.652	12	13,5	3000	270,0	4,30	600	155,0	80193
A-DQ(ZN)B2Y 120	120	Multimode G50/125	OM2	12	13,5	3000	270,0	4,30	600	155,0	80210
A-DQ(ZN)B2Y 120	120	Multimode G62.5/125	OM1	12	13,5	3000	270,0	4,30	600	155,0	80226
A-DQ(ZN)B2Y 120	120	Single-mode E9/125	ITU-T G.652	12	13,5	3000	270,0	4,30	600	155,0	80194
A-DQ(ZN)B2Y 144	144	Multimode G50/125	OM2	12	14,5	3000	290,0	5,40	600	200,0	80211
A-DQ(ZN)B2Y 144	144	Multimode G62.5/125	OM1	12	14,5	3000	290,0	5,40	600	200,0	80227
A-DQ(ZN)B2Y 144	144	Single-mode E9/125	ITU-T G.652	12	14,5	3000	290,0	5,40	600	200,0	80195

Dimensions and specifications may be changed without prior notice.

Application

These HELUCOM® fibre-optic cables are characterized by a design that is particularly easy to mount, extremely tension-resistant and rodent-proof. Around a stranded grooved cable and filler elements, there is a composite of glass yarns and swelling fleece with characteristics that ensure rodent protection, strain relief, and waterproofing in longitudinal direction of the cable. In addition, these cables are designed grease-free. Wiping the jelly off is therefore unnecessary. This construction is particularly used in underground, tubes and channel areas, where above-average tensile stresses and/or transverse compressions occur and rodent infestation is to be expected.