

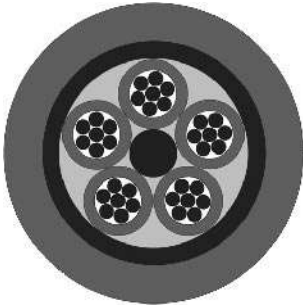
# Fibre Optic Outdoor Cable

acc. DIN VDE 0888

HELUCOM®

RoHS

A-DQ(ZN)B2Y, stranded



## Cable structure

Core type: Buffered-fibre  
GRP support element  
Strain relief elements: Aramide  
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  
Longitudinally water-tight acc. to IEC 60794-1-2-F5  
UV-resistant

Designation	Number of fibres	Fibre type	Number of fibres per core	Outer Ø ca. mm	Max. tensile force N	Min. stat. bending radius mm	Caloric load ca. MJ/m	Max. transverse pressure N/cm	Weight kg/km	Part no.
A-DQ(ZN)B2Y	24	Multimode G50/125	12	11,5	3000	235,0	4,90	400	200,0	<b>81382</b>
A-DQ(ZN)B2Y	24	Multimode G62.5/125	12	11,5	3000	235,0	4,90	400	200,0	<b>80219</b>
A-DQ(ZN)B2Y	24	Single-mode E9/125	12	11,5	3000	235,0	4,90	400	200,0	<b>80188</b>
A-DQ(ZN)B2Y	36	Multimode G50/125	12	11,5	3000	235,0	4,90	400	200,0	<b>81108</b>
A-DQ(ZN)B2Y	36	Multimode G62.5/125	12	11,5	3000	235,0	4,90	400	200,0	<b>81109</b>
A-DQ(ZN)B2Y	36	Single-mode E9/125	12	11,5	3000	235,0	4,90	400	200,0	<b>81110</b>
A-DQ(ZN)B2Y	48	Multimode G50/125	12	11,5	3000	235,0	4,90	400	200,0	<b>82648</b>
A-DQ(ZN)B2Y	48	Multimode G62.5/125	12	11,5	3000	235,0	4,90	400	200,0	<b>81112</b>
A-DQ(ZN)B2Y	48	Single-mode E9/125	12	11,5	3000	235,0	4,90	400	200,0	<b>81113</b>
A-DQ(ZN)B2Y	60	Multimode G50/125	12	11,5	3000	235,0	4,90	400	210,0	<b>80207</b>
A-DQ(ZN)B2Y	60	Multimode G62.5/125	12	11,5	3000	235,0	4,90	400	210,0	<b>80223</b>
A-DQ(ZN)B2Y	60	Single-mode E9/125	12	11,5	3000	235,0	4,90	400	210,0	<b>80191</b>
A-DQ(ZN)B2Y	72	Multimode G50/125	12	11,5	3000	235,0	6,00	400	210,0	<b>81133</b>
A-DQ(ZN)B2Y	72	Multimode G62.5/125	12	11,5	3000	235,0	6,00	400	210,0	<b>81134</b>
A-DQ(ZN)B2Y	72	Single-mode E9/125	12	11,5	3000	235,0	6,00	400	210,0	<b>81120</b>
A-DQ(ZN)B2Y	84	Multimode G50/125	12	13,2	4000	265,0	7,00	400	240,0	<b>80208</b>
A-DQ(ZN)B2Y	84	Multimode G62.5/125	12	13,2	4000	265,0	7,00	400	240,0	<b>80224</b>
A-DQ(ZN)B2Y	84	Single-mode E9/125	12	13,2	4000	265,0	7,00	400	240,0	<b>80192</b>
A-DQ(ZN)B2Y	96	Multimode G50/125	12	13,2	4000	265,0	7,40	400	380,0	<b>81135</b>
A-DQ(ZN)B2Y	96	Multimode G62.5/125	12	13,2	4000	265,0	7,40	400	380,0	<b>81136</b>
A-DQ(ZN)B2Y	96	Single-mode E9/125	12	13,2	4000	265,0	7,40	400	380,0	<b>81121</b>
A-DQ(ZN)B2Y	108	Multimode G50/125	12	14,8	4000	295,0	7,70	400	380,0	<b>80209</b>
A-DQ(ZN)B2Y	108	Multimode G62.5/125	12	14,8	4000	295,0	7,70	400	380,0	<b>80225</b>
A-DQ(ZN)B2Y	108	Single-mode E9/125	12	14,8	4000	295,0	7,70	400	380,0	<b>80193</b>
A-DQ(ZN)B2Y	120	Multimode G50/125	12	14,8	4000	295,0	7,90	400	380,0	<b>80210</b>
A-DQ(ZN)B2Y	120	Multimode G62.5/125	12	14,8	4000	295,0	7,90	400	380,0	<b>80226</b>
A-DQ(ZN)B2Y	120	Single-mode E9/125	12	14,8	4000	295,0	7,90	400	380,0	<b>80194</b>
A-DQ(ZN)B2Y	144	Multimode G50/125	12	16,5	4000	330,0	9,30	400	380,0	<b>80211</b>
A-DQ(ZN)B2Y	144	Multimode G62.5/125	12	16,5	4000	330,0	9,30	400	380,0	<b>80227</b>
A-DQ(ZN)B2Y	144	Single-mode E9/125	12	16,5	4000	330,0	9,30	400	380,0	<b>80195</b>

## 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.