

Fibre Optic Outdoor Cable

acc. DIN VDE 0888

HELUCOM®

A-DQ(ZN)2Y, stranded



Cable structure

Core type: Loose tube
 GRP support element
 Strain relief elements: 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)2Y | 24 | Multimode G50/125 | OM2 | 12 | 10,0 | 2500 | 200,0 | 2,50 | 400 | 70,0 | 80156 |
| A-DQ(ZN)2Y | 24 | Multimode G62.5/125 | OM1 | 12 | 10,0 | 2500 | 200,0 | 2,50 | 400 | 70,0 | 80172 |
| A-DQ(ZN)2Y | 24 | Single-mode E9/125 | ITU-T G.652 | 12 | 10,0 | 2500 | 200,0 | 2,50 | 400 | 70,0 | 80139 |
| A-DQ(ZN)2Y | 36 | Multimode G50/125 | OM2 | 12 | 10,0 | 2500 | 200,0 | 2,50 | 400 | 70,0 | 80448 |
| A-DQ(ZN)2Y | 36 | Multimode G62.5/125 | OM1 | 12 | 10,0 | 2500 | 200,0 | 2,50 | 400 | 70,0 | 80449 |
| A-DQ(ZN)2Y | 36 | Single-mode E9/125 | ITU-T G.652 | 12 | 10,0 | 2500 | 200,0 | 2,50 | 400 | 70,0 | 80450 |
| A-DQ(ZN)2Y | 48 | Multimode G50/125 | OM2 | 12 | 10,0 | 2500 | 200,0 | 2,50 | 400 | 70,0 | 80447 |
| A-DQ(ZN)2Y | 48 | Multimode G62.5/125 | OM1 | 12 | 10,0 | 2500 | 200,0 | 2,50 | 400 | 70,0 | 80446 |
| A-DQ(ZN)2Y | 48 | Single-mode E9/125 | ITU-T G.652 | 12 | 10,0 | 2500 | 200,0 | 2,50 | 400 | 70,0 | 80445 |
| A-DQ(ZN)2Y | 60 | Multimode G50/125 | OM2 | 12 | 10,0 | 2500 | 200,0 | 2,50 | 400 | 70,0 | 80159 |
| A-DQ(ZN)2Y | 60 | Multimode G62.5/125 | OM1 | 12 | 10,0 | 2500 | 200,0 | 2,50 | 400 | 70,0 | 80175 |
| A-DQ(ZN)2Y | 60 | Single-mode E9/125 | ITU-T G.652 | 12 | 10,0 | 2500 | 200,0 | 2,50 | 400 | 70,0 | 80142 |
| A-DQ(ZN)2Y | 72 | Multimode G50/125 | OM2 | 12 | 10,5 | 2500 | 210,0 | 2,60 | 400 | 75,0 | 80444 |
| A-DQ(ZN)2Y | 72 | Multimode G62.5/125 | OM1 | 12 | 10,5 | 2500 | 210,0 | 2,60 | 400 | 75,0 | 80443 |
| A-DQ(ZN)2Y | 72 | Single-mode E9/125 | ITU-T G.652 | 12 | 10,5 | 2500 | 210,0 | 2,60 | 400 | 75,0 | 80442 |
| A-DQ(ZN)2Y | 84 | Multimode G50/125 | OM2 | 12 | 11,5 | 2700 | 230,0 | 3,30 | 400 | 110,0 | 80160 |
| A-DQ(ZN)2Y | 84 | Multimode G62.5/125 | OM1 | 12 | 11,5 | 2700 | 230,0 | 3,30 | 400 | 110,0 | 80176 |
| A-DQ(ZN)2Y | 84 | Single-mode E9/125 | ITU-T G.652 | 12 | 11,5 | 2700 | 230,0 | 3,30 | 400 | 110,0 | 80143 |
| A-DQ(ZN)2Y | 96 | Multimode G50/125 | OM2 | 12 | 11,5 | 2700 | 230,0 | 3,30 | 400 | 110,0 | 80441 |
| A-DQ(ZN)2Y | 96 | Multimode G62.5/125 | OM1 | 12 | 11,5 | 2700 | 230,0 | 3,30 | 400 | 110,0 | 80440 |
| A-DQ(ZN)2Y | 96 | Single-mode E9/125 | ITU-T G.652 | 12 | 11,5 | 2700 | 230,0 | 3,30 | 400 | 110,0 | 80439 |
| A-DQ(ZN)2Y | 108 | Multimode G50/125 | OM2 | 12 | 13,0 | 2700 | 260,0 | 4,00 | 400 | 130,0 | 80161 |
| A-DQ(ZN)2Y | 108 | Multimode G62.5/125 | OM1 | 12 | 13,0 | 2700 | 260,0 | 4,00 | 400 | 130,0 | 80177 |
| A-DQ(ZN)2Y | 108 | Single-mode E9/125 | ITU-T G.652 | 12 | 13,0 | 2700 | 260,0 | 4,00 | 400 | 130,0 | 80144 |
| A-DQ(ZN)2Y | 120 | Multimode G50/125 | OM2 | 12 | 13,0 | 2700 | 260,0 | 4,00 | 400 | 130,0 | 80162 |
| A-DQ(ZN)2Y | 120 | Multimode G62.5/125 | OM1 | 12 | 13,0 | 2700 | 260,0 | 4,00 | 400 | 130,0 | 80178 |
| A-DQ(ZN)2Y | 120 | Single-mode E9/125 | ITU-T G.652 | 12 | 13,0 | 2700 | 260,0 | 4,00 | 400 | 130,0 | 80146 |
| A-DQ(ZN)2Y | 144 | Multimode G50/125 | OM2 | 12 | 14,0 | 2700 | 280,0 | 5,00 | 400 | 150,0 | 80438 |
| A-DQ(ZN)2Y | 144 | Multimode G62.5/125 | OM1 | 12 | 14,0 | 2700 | 280,0 | 5,00 | 400 | 150,0 | 80437 |
| A-DQ(ZN)2Y | 144 | Single-mode E9/125 | ITU-T G.652 | 12 | 14,0 | 2700 | 280,0 | 5,00 | 400 | 150,0 | 80436 |

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 and extremely tension-resistant. Around a stranded grooved cable and filler elements, there is a swelling fleece with characteristics that ensure 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, but rodent infestation is not to be expected.