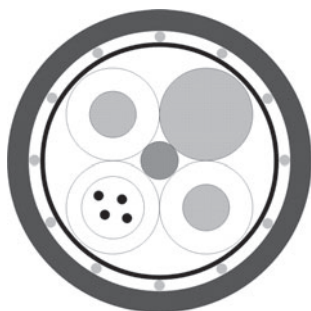


# Fibre Optic Outdoor Cable Hybrid

acc. DIN VDE 0888

**HELUCOM®**

A-DSQ(ZN)B2Y



## Cable structure

Core type: Loose tube  
GRP support element  
Number of fibres per core: 4  
Strain relief elements: Glass yarns  
Type of armouring: Glass yarns  
Outer sheath material: PE  
Outer sheath colour: Black

## Temperature range

Laying, min.: -10°C  
Laying, max.: +60°C  
Operating, min.: -25°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  | No. of fibres | Fibre type          | No. of copper cores | Dimensions of copper cores mm | Outer Ø approx. mm | Max. tensile force N | Min. stat. bending radius mm | Caloric load approx. MJ / m | Max. transverse pressure N / cm | Weight kg / km | Part no.     |
|--------------|---------------|---------------------|---------------------|-------------------------------|--------------------|----------------------|------------------------------|-----------------------------|---------------------------------|----------------|--------------|
| A-DSQ(ZN)B2Y | 4             | Multimode G50/125   | 2                   | 1,2                           | 12,0               | 2100                 | 300                          | 4,80                        | 200                             | 140,0          | <b>81209</b> |
| A-DSQ(ZN)B2Y | 4             | Multimode G62.5/125 | 2                   | 1,2                           | 12,0               | 2100                 | 300                          | 4,80                        | 200                             | 140,0          | <b>81255</b> |
| A-DSQ(ZN)B2Y | 4             | Single-mode E9/125  | 2                   | 1,2                           | 12,0               | 2100                 | 300                          | 4,80                        | 200                             | 140,0          | <b>81256</b> |
| A-DSQ(ZN)B2Y | 4             | Multimode G50/125   | 2                   | 1,5                           | 12,5               | 2300                 | 320                          | 4,80                        | 200                             | 160,0          | <b>82561</b> |
| A-DSQ(ZN)B2Y | 4             | Multimode G62.5/125 | 2                   | 1,5                           | 12,5               | 2300                 | 320                          | 4,80                        | 200                             | 160,0          | <b>81257</b> |
| A-DSQ(ZN)B2Y | 4             | Single-mode E9/125  | 2                   | 1,5                           | 12,5               | 2300                 | 320                          | 4,80                        | 200                             | 160,0          | <b>81258</b> |
| A-DSQ(ZN)B2Y | 4             | Multimode G50/125   | 4                   | 1,5                           | 17,0               | 2600                 | 430                          | 5,80                        | 200                             | 250,0          | <b>82786</b> |
| A-DSQ(ZN)B2Y | 4             | Multimode G62.5/125 | 4                   | 1,5                           | 17,0               | 2600                 | 430                          | 5,80                        | 200                             | 250,0          | <b>81259</b> |
| A-DSQ(ZN)B2Y | 4             | Single-mode E9/125  | 4                   | 1,5                           | 17,0               | 2600                 | 430                          | 5,80                        | 200                             | 250,0          | <b>81260</b> |

Dimensions and specifications may be changed without prior notice.

## Application

These HELUCOM® fibre-optic cables are designed especially for use in fibre-optical temperature measurements, such as monitoring of dams. The extreme mechanical requirements in these areas are fulfilled by the specially designed cable construction. These lines are hybrid glass fibre lines with copper cores and a special PE outer sheath.

Typical application within a coffer-dam

