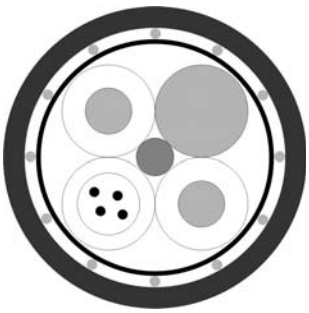
Fibre Optic Outdoor Cable Hybrid

acc. DIN VDE 0888

HELUCOM®

RoHS

A-DSQ(ZN)B2Y



Cable structure

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

Temperature range

Laying, min.: -10°C
Laying, min.: +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	Number of fibres	Fibre type	Number of copper cores	Dimensions of copper cores mm	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-DSQ(ZN)B2Y	4	Multimode G50/125	2	1,2	12,0	2100	300,0	4,80	200	140,0	**81209**
A-DSQ(ZN)B2Y	4	Multimode G62.5/125	2	1,2	12,0	2100	300,0	4,80	200	140,0	**81255**
A-DSQ(ZN)B2Y	4	Single-mode E9/125	2	1,2	12,0	2100	300,0	4,80	200	140,0	**81256**
A-DSQ(ZN)B2Y	4	Multimode G50/125	2	1,5	12,5	2300	320,0	4,80	200	160,0	**82561**
A-DSQ(ZN)B2Y	4	Multimode G62.5/125	2	1,5	12,5	2300	320,0	4,80	200	160,0	**81257**
A-DSQ(ZN)B2Y	4	Single-mode E9/125	2	1,5	12,5	2300	320,0	4,80	200	160,0	**81258**
A-DSQ(ZN)B2Y	4	Multimode G50/125	4	1,5	17,0	2600	430,0	5,80	200	250,0	**82786**
A-DSQ(ZN)B2Y	4	Multimode G62.5/125	4	1,5	17,0	2600	430,0	5,80	200	250,0	**81259**
A-DSQ(ZN)B2Y	4	Single-mode E9/125	4	1,5	17,0	2600	430,0	5,80	200	250,0	**81260**

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

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