

Fibre Optic Cable with Functionality

with reference to DIN 4102-12

HELUCOM® FS30

A/I-DQ(ZN)BH



Cable structure

Core type: Loose tube
Strain relief elements: Aramide
Type of armouring: Glass yarns
Outer sheath material: FR/LSOH
Outer sheath colour: Red

Temperature range

Laying, min.: -10°C
Laying, max.: +50°C
Operating, min.: -25°C
Operating, max.: +60°C

Other data

Corrosiveness acc. to EN50267-2-3
Halogen-free acc. to 60754-2
Flame-resistance acc. to IEC 60332-1
Smoke density acc. to IEC 61034
Longitudinally water-tight acc. to IEC 60794-1-2-F5
UV-resistant
Functional integrity: E30

| Designation | Number of fibres | Fibre type | Number of fibres per core | 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/I-DQ(ZN)BH | 4 | Multimode G50/125 | 4 | 7,8 | 1000 | 80,0 | 1,08 | 200 | 102,0 | 801217 |
| A/I-DQ(ZN)BH | 4 | Multimode G62.5/125 | 4 | 7,8 | 1000 | 80,0 | 1,08 | 200 | 102,0 | 801218 |
| A/I-DQ(ZN)BH | 4 | Single-mode E9/125 | 4 | 7,8 | 1000 | 80,0 | 1,08 | 200 | 102,0 | 801219 |
| A/I-DQ(ZN)BH | 12 | Multimode G50/125 | 12 | 7,8 | 1000 | 80,0 | 1,08 | 200 | 102,0 | 801220 |
| A/I-DQ(ZN)BH | 12 | Multimode G62.5/125 | 12 | 7,8 | 1000 | 80,0 | 1,08 | 200 | 102,0 | 801221 |
| A/I-DQ(ZN)BH | 12 | Single-mode E9/125 | 12 | 7,8 | 1000 | 80,0 | 1,08 | 200 | 102,0 | 801190 |

Dimensions and specifications may be changed without prior notice.

Application

With the serie HELUCOM® E30 we have realized, based on a special construction and high quality raw materials, a functional integrity according to DIN 4102-12 E30 (30 minutes). Together with the planed accessories the cables realize the full function of the communication in areas like tunnels or buildings for the defined period of time. On request we also can deliver cables with more than 12 fibres as stranded construction.