

Fibre Optic Cable with Functionality

with reference to IEC 60331-25

HELUCOM® FS90

A/I-D(ZN)BH(SR)H



Cable structure

Core type: Loose tube
Strain relief elements: Glass yarns
Inner sheath material: FRNC
Type of armouring: steel tape
Outer sheath material: FR/LSOH
Outer sheath colour: Black

Temperature range

Laying, min.: -5°C
Laying, max.: +50°C
Operating, min.: -20°C
Operating, max.: +70°C

Other data

Corrosiveness acc. to EN50267-2-3
Halogen-free acc. to 60754-2
Flame-resistance acc. to IEC 60332-1 and -3
Smoke density acc. to IEC 61034
Longitudinally water-tight acc. to IEC 60794-1-2-F5
Cable, laterally water-tight
UV-resistant
Functional integrity: IEC 60794/ IEC 60331-25

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/I-D(ZN)BH(SR)H	4	Multimode G50/125	OM2	4	12,7	1500	180,0	6,20	300	216,0	803917
A/I-D(ZN)BH(SR)H	4	Single-mode E9/125	ITU-T G.652	4	12,7	1500	180,0	6,20	300	216,0	803919
A/I-D(ZN)BH(SR)H	12	Multimode G50/125	OM2	12	12,7	1500	180,0	6,20	300	216,0	803918
A/I-D(ZN)BH(SR)H	12	Single-mode E9/125	ITU-T G.652	12	12,7	1500	180,0	6,20	300	216,0	803920

Dimensions and specifications may be changed without prior notice.

Application

With the serie HELUCOM® FS90 we have realized, based on a special construction and high quality raw materials, a functional integrity according to IEC 60331-25 within 90, minutes (up to 750°C). Together with the planned accessories the cables realize the full function of the communication in areas like tunnels or buildings for the defined period of time.