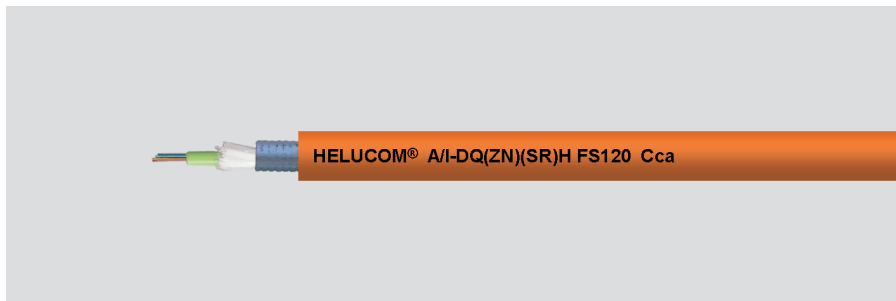


Fibre Optic Cable with Functionality FS120 with reference to IEC 60331-25 incl. fire class Cca s1a d1 a1.

HELUCOM® FS120 A/I-DQ(ZN)(SR)H Cca

HELUCOM® FS120



Cable structure

Core type: Loose tube
Strain relief elements: Glass yarns
Type of armouring: steel tape
Outer sheath material: FR/LSOH
Outer sheath colour: Orange similar to RAL 2003

Temperature range

Laying, min.: 0°C
Laying, max.: +50°C
Operating, min.: -40°C
Operating, max.: +70°C

Other data

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-DQ(ZN)(SR)H	4	Multimode G50/125	OM2	4	8,5	3000	170,0	1,18	220	100,0	11017454
A/I-DQ(ZN)(SR)H	4	Multimode G50/125	OM3	4	8,5	3000	170,0	1,18	220	100,0	11017458
A/I-DQ(ZN)(SR)H	4	Multimode G50/125	OM4	4	8,5	3000	170,0	1,18	220	100,0	11018338
A/I-DQ(ZN)(SR)H	4	Multimode G62.5/125	OM1	4	8,5	3000	170,0	1,18	220	100,0	11017462
A/I-DQ(ZN)(SR)H	4	Single-mode E9/125	ITU-T G.657.A1	4	8,5	3000	170,0	1,18	220	100,0	11017450
A/I-DQ(ZN)(SR)H	8	Multimode G50/125	OM2	8	8,5	3000	170,0	1,18	220	100,0	11017455
A/I-DQ(ZN)(SR)H	8	Multimode G50/125	OM3	8	8,5	3000	170,0	1,18	220	100,0	11017459
A/I-DQ(ZN)(SR)H	8	Multimode G62.5/125	OM1	8	8,5	3000	170,0	1,18	220	100,0	11017463
A/I-DQ(ZN)(SR)H	8	Single-mode E9/125	ITU-T G.657.A1	8	8,5	3000	170,0	1,18	220	100,0	11017451
A/I-DQ(ZN)(SR)H	12	Multimode G50/125	OM2	12	8,5	3000	170,0	1,18	220	100,0	11017456
A/I-DQ(ZN)(SR)H	12	Multimode G50/125	OM3	12	8,5	3000	170,0	1,18	220	100,0	11017460
A/I-DQ(ZN)(SR)H	12	Multimode G50/125	OM4	12	8,5	3000	170,0	1,18	220	100,0	11018339
A/I-DQ(ZN)(SR)H	12	Multimode G62.5/125	OM1	12	8,5	3000	170,0	1,18	220	100,0	11017464
A/I-DQ(ZN)(SR)H	12	Single-mode E9/125	ITU-T G.657.A1	12	8,5	3000	170,0	1,18	220	100,0	11017452
A/I-DQ(ZN)(SR)H	24	Multimode G50/125	OM2	24	8,5	3000	170,0	1,18	220	100,0	11017457
A/I-DQ(ZN)(SR)H	24	Multimode G50/125	OM3	24	8,5	3000	170,0	1,18	220	100,0	11017461
A/I-DQ(ZN)(SR)H	24	Multimode G50/125	OM4	24	8,5	3000	170,0	1,18	220	100,0	11018340
A/I-DQ(ZN)(SR)H	24	Multimode G62.5/125	OM1	24	8,5	3000	170,0	1,18	220	100,0	11017465
A/I-DQ(ZN)(SR)H	24	Single-mode E9/125	ITU-T G.657.A1	24	8,5	3000	170,0	1,18	220	100,0	11017453

Dimensions and specifications may be changed without prior notice.

Application

With the HELUCOM® FS120 series, we have succeeded in guaranteeing functional integrity in accordance with IEC 60331-25 for 120 minutes (flame temperature up to 750°C) by using a special design and particularly high-quality materials. In combination with suitable installation systems, important means of communication are available in the event of fire in areas such as road and rail tunnels or in commercial buildings within a defined period of time.