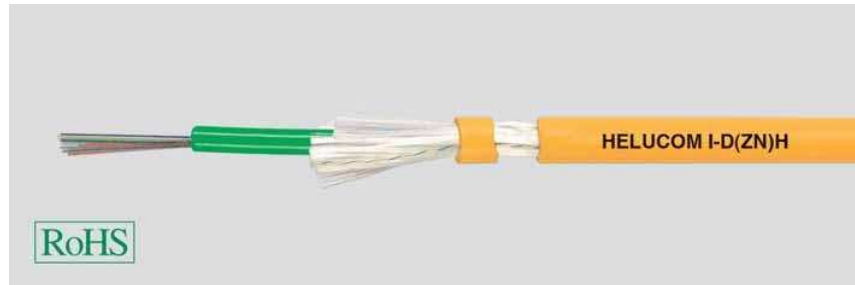
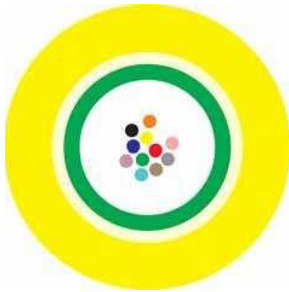


Fibre Optic Indoor Cable

acc. DIN VDE 0888

HELUCOM®

I-D(ZN)H



Cable structure

Core type: Loose tube
Strain relief elements: Aramide
Outer sheath material: FRNC
Outer sheath colour: Yellow

Temperature range

Laying, min.: -5°C
Laying, max.: +50°C
Operating, min.: -20°C
Operating, max.: +60°C

Other data

Corrosiveness acc. to EN50267-2-3
Halogen-free acc. to 60754-2
Flame-resistance acc. to IEC 60332-1-2
Smoke density acc. to IEC 61034

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.
I-D(ZN)H	4	Multimode G50/125	OM2	4	8,0	1200	120,0	1,50	150	65,0	80631
I-D(ZN)H	4	Multimode G62.5/125	OM1	4	8,0	1200	120,0	1,50	150	65,0	80882
I-D(ZN)H	4	Single-mode E9/125	ITU-T G.652	4	8,0	1200	120,0	1,50	150	65,0	80896
I-D(ZN)H	6	Multimode G50/125	OM2	6	8,0	1200	120,0	1,50	150	65,0	80868
I-D(ZN)H	6	Multimode G62.5/125	OM1	6	8,0	1200	120,0	1,50	150	65,0	80883
I-D(ZN)H	6	Single-mode E9/125	ITU-T G.652	6	8,0	1200	120,0	1,50	150	65,0	80897
I-D(ZN)H	8	Multimode G50/125	OM2	8	8,0	1200	120,0	1,50	150	65,0	80869
I-D(ZN)H	8	Multimode G62.5/125	OM1	8	8,0	1200	120,0	1,50	150	65,0	80884
I-D(ZN)H	8	Single-mode E9/125	ITU-T G.652	8	8,0	1200	120,0	1,50	150	65,0	80898
I-D(ZN)H	10	Multimode G50/125	OM2	10	8,0	1200	120,0	1,50	150	65,0	80793
I-D(ZN)H	10	Multimode G62.5/125	OM1	10	8,0	1200	120,0	1,50	150	65,0	80885
I-D(ZN)H	10	Single-mode E9/125	ITU-T G.652	10	8,0	1200	120,0	1,50	150	65,0	80899
I-D(ZN)H	12	Multimode G50/125	OM2	12	8,0	1200	120,0	1,50	150	65,0	80045
I-D(ZN)H	12	Multimode G62.5/125	OM1	12	8,0	1200	120,0	1,50	150	65,0	80879
I-D(ZN)H	12	Single-mode E9/125	ITU-T G.652	12	8,0	1200	120,0	1,50	150	65,0	80880
I-D(ZN)H	16	Multimode G50/125	OM2	16	8,0	1200	120,0	1,50	150	135,0	80870
I-D(ZN)H	16	Multimode G62.5/125	OM1	16	8,0	1200	120,0	1,50	150	135,0	80886
I-D(ZN)H	16	Single-mode E9/125	ITU-T G.652	16	8,0	1200	120,0	1,50	150	135,0	80900
I-D(ZN)H	24	Multimode G50/125	OM2	12	12,5	3000	190,0	2,20	200	150,0	80872
I-D(ZN)H	24	Multimode G50/125	OM2	24	9,0	1600	140,0	1,50	150	135,0	80871
I-D(ZN)H	24	Multimode G62.5/125	OM1	12	12,5	3000	190,0	2,20	200	150,0	80888
I-D(ZN)H	24	Multimode G62.5/125	OM1	24	9,0	1600	140,0	1,50	150	135,0	81246
I-D(ZN)H	24	Single-mode E9/125	ITU-T G.652	12	12,5	3000	190,0	2,20	200	150,0	80902
I-D(ZN)H	24	Single-mode E9/125	ITU-T G.652	24	9,0	1600	140,0	1,50	150	135,0	80901
I-D(ZN)H	36	Multimode G50/125	OM2	12	13,5	3000	200,0	2,20	200	160,0	80875
I-D(ZN)H	36	Multimode G62.5/125	OM1	12	13,5	3000	200,0	2,20	200	160,0	80891
I-D(ZN)H	36	Single-mode E9/125	ITU-T G.652	12	13,5	3000	200,0	2,20	200	160,0	80905
I-D(ZN)H	48	Multimode G50/125	OM2	12	13,5	3000	200,0	2,20	200	160,0	80877
I-D(ZN)H	48	Multimode G62.5/125	OM1	12	13,5	3000	200,0	2,20	200	160,0	80893
I-D(ZN)H	48	Single-mode E9/125	ITU-T G.652	12	13,5	3000	200,0	2,20	200	160,0	80907
I-D(ZN)H	60	Multimode G50/125	OM2	12	13,5	3000	200,0	2,20	200	170,0	80878
I-D(ZN)H	60	Multimode G62.5/125	OM1	12	13,5	3000	200,0	2,20	200	170,0	80894
I-D(ZN)H	60	Single-mode E9/125	ITU-T G.652	12	13,5	3000	200,0	2,20	200	170,0	80908

Dimensions and specifications may be changed without prior notice.

Application

These HELUCOM® fibre-optic cables are available either as central bundle core cable or as stranded versions. They are suitable for indoor cabling of buildings and facilities. The halogen-free version is especially suitable for the application in skyscrapers, hospitals and stores as well as in facilities with high concentration of capital goods, such as power plants, computing centers, and at locations with high security requirements, such as underground and control stations.

Fibre Optic Indoor/Outdoor Cable

acc. DIN VDE 0888

HELUCOM[®] pact

A/I-DQ(ZN)BH



Cable structure

Core type: Loose tube
Strain relief elements: Glass yarns
Type of armouring: Glass yarns
Outer sheath material: FRNC
Outer sheath colour: Black

Temperature range

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

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	7,5	1500	150,0	1,10	200	55,0	82792
A/I-DQ(ZN)BH	4	Multimode G62.5/125	4	7,5	1500	150,0	1,10	200	55,0	82796
A/I-DQ(ZN)BH	4	Single-mode E9/125	4	7,5	1500	150,0	1,10	200	55,0	82800
A/I-DQ(ZN)BH	6	Multimode G50/125	6	7,5	1500	150,0	1,10	200	55,0	82793
A/I-DQ(ZN)BH	6	Multimode G62.5/125	6	7,5	1500	150,0	1,10	200	55,0	82797
A/I-DQ(ZN)BH	6	Single-mode E9/125	6	7,5	1500	150,0	1,10	200	55,0	82801
A/I-DQ(ZN)BH	8	Multimode G50/125	8	7,5	1500	150,0	1,10	200	55,0	82794
A/I-DQ(ZN)BH	8	Multimode G62.5/125	8	7,5	1500	150,0	1,10	200	55,0	82798
A/I-DQ(ZN)BH	8	Single-mode E9/125	8	7,5	1500	150,0	1,10	200	55,0	82802
A/I-DQ(ZN)BH	12	Multimode G50/125	12	7,5	1500	150,0	1,10	200	55,0	82795
A/I-DQ(ZN)BH	12	Multimode G62.5/125	12	7,5	1500	150,0	1,10	200	55,0	82799
A/I-DQ(ZN)BH	12	Single-mode E9/125	12	7,5	1500	150,0	1,10	200	55,0	82803
A/I-DQ(ZN)BH	24	Multimode G50/125	24	8,5	1500	170,0	1,40	200	75,0	802143
A/I-DQ(ZN)BH	24	Multimode G62.5/125	24	8,5	1500	170,0	1,40	200	75,0	802144
A/I-DQ(ZN)BH	24	Single-mode E9/125	24	8,5	1500	170,0	1,40	200	75,0	802145

Dimensions and specifications may be changed without prior notice.

Application

These HELUCOM[®] pact fibre-optic cables have a small but robust construction. They are suitable for indoor and outdoor cabling of buildings and facilities when space is an important argument. They are used in particular if the installation is to be done in one piece from the inside to the outside without additional use of couplings. With their black UV-resistant outer sheath and the non-metallic rodent protection, they are perfectly suited for outdoor use. The halogen-free outer sheath makes installation inhouse possible without any problems.