

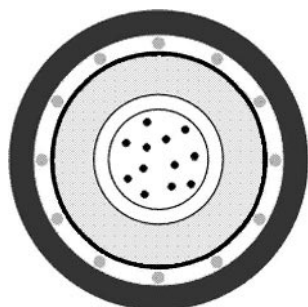
# Fibre Optic Indoor/Outdoor Cable

**HELUCOM®**

acc. DIN VDE 0888

RoHS

A/I-DQ(ZN)BH, A/I-D(ZN)BH



## Cable structure

Core type: Buffered-fibre  
Strain relief elements: Aramid  
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  
Functional integrity: No

Designation	Number of fibres	Fibre type	Number of fibres per core	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/I-DQ(ZN)BH	4	Multimode G50/125	4	10,0	2500	150,0	1,50	300	125,0	<b>80270</b>
A/I-DQ(ZN)BH	4	Multimode G62.5/125	4	10,0	2500	150,0	1,50	300	125,0	<b>80276</b>
A/I-DQ(ZN)BH	4	Single-mode E9/125	4	10,0	2500	150,0	1,50	300	125,0	<b>80264</b>
A/I-DQ(ZN)BH	6	Multimode G50/125	6	10,0	2500	150,0	1,50	300	125,0	<b>80271</b>
A/I-DQ(ZN)BH	6	Multimode G62.5/125	6	10,0	2500	150,0	1,50	300	125,0	<b>80265</b>
A/I-DQ(ZN)BH	6	Single-mode E9/125	6	10,0	2500	150,0	1,50	300	125,0	<b>80272</b>
A/I-DQ(ZN)BH	8	Multimode G50/125	8	10,0	2500	150,0	1,50	300	125,0	<b>80273</b>
A/I-DQ(ZN)BH	8	Multimode G62.5/125	8	10,0	2500	150,0	1,50	300	125,0	<b>80274</b>
A/I-DQ(ZN)BH	8	Single-mode E9/125	8	10,0	2500	150,0	1,50	300	125,0	<b>80275</b>
A/I-DQ(ZN)BH	12	Multimode G50/125	12	10,0	2500	150,0	1,50	300	125,0	<b>80681</b>
A/I-DQ(ZN)BH	12	Multimode G62.5/125	12	10,0	2500	150,0	1,50	300	125,0	<b>80278</b>
A/I-DQ(ZN)BH	12	Single-mode E9/125	12	10,0	2500	150,0	1,50	300	125,0	<b>80279</b>
A/I-DQ(ZN)BH	16	Multimode G50/125	16	10,0	2500	150,0	1,50	300	145,0	<b>80280</b>
A/I-DQ(ZN)BH	16	Multimode G62.5/125	16	10,0	2500	150,0	1,50	300	145,0	<b>80281</b>
A/I-DQ(ZN)BH	16	Single-mode E9/125	16	10,0	2500	150,0	1,50	300	145,0	<b>80851</b>
A/I-DQ(ZN)BH	24	Multimode G50/125	24	10,0	2500	150,0	1,50	300	145,0	<b>80725</b>
A/I-DQ(ZN)BH	24	Multimode G62.5/125	24	10,0	2500	150,0	1,50	300	145,0	<b>82431</b>
A/I-DQ(ZN)BH	24	Single-mode E9/125	12	11,5	3000	170,0	1,50	400	195,0	<b>80846</b>
A/I-D(ZN)BH	4	Multimode G50/125	4	7,2	1400	110,0	0,90	150	65,0	<b>82792</b>
A/I-D(ZN)BH	4	Multimode G62.5/125	4	7,2	1400	110,0	0,90	150	65,0	<b>82796</b>
A/I-D(ZN)BH	4	Single-mode E9/125	4	7,2	1400	110,0	0,90	150	65,0	<b>82800</b>
A/I-D(ZN)BH	6	Multimode G50/125	6	7,2	1400	110,0	0,90	150	65,0	<b>82793</b>
A/I-D(ZN)BH	6	Multimode G62.5/125	6	7,2	1400	110,0	0,90	150	65,0	<b>82797</b>
A/I-D(ZN)BH	6	Single-mode E9/125	6	7,2	1400	110,0	0,90	150	65,0	<b>82801</b>
A/I-D(ZN)BH	8	Multimode G50/125	8	7,2	1400	110,0	0,90	150	65,0	<b>82794</b>
A/I-D(ZN)BH	8	Multimode G62.5/125	8	7,2	1400	110,0	0,90	150	65,0	<b>82798</b>
A/I-D(ZN)BH	8	Single-mode E9/125	8	7,2	1400	110,0	0,90	150	65,0	<b>82802</b>
A/I-D(ZN)BH	12	Multimode G50/125	12	7,2	1400	110,0	0,90	150	65,0	<b>82795</b>
A/I-D(ZN)BH	12	Multimode G62.5/125	12	7,2	1400	110,0	0,90	150	65,0	<b>82799</b>
A/I-D(ZN)BH	12	Single-mode E9/125	12	7,2	1400	110,0	0,90	150	65,0	<b>82803</b>

## Application

These HELUCOM® fibre-optic cables are available either as central bundle core cable or as stranded versions (on request). They are suitable for indoor and outdoor cabling of buildings and facilities. 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. To adapt to different mechanical requirements, you can select among tensile forces from 1400N to 3000N.