

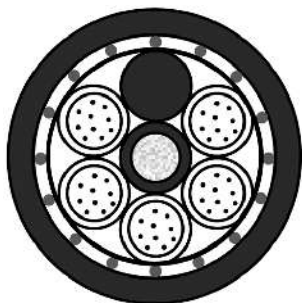
# Fibre Optic Outdoor Cable

acc. DIN VDE 0888

HELUCOM®

RoHS

A-DF(ZN)B2Y



## Cable structure

Core type: Buffered-fibre  
GRP support element  
Strain relief elements: Aramide  
Type of armouring: Glass yarns  
Outer sheath material: PE  
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  
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 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-DF(ZN)B2Y	2	Multimode G50/125	2	14,5	3000	220,0	1,60	400	160,0	80100
A-DF(ZN)B2Y	2	Multimode G62.5/125	2	14,5	3000	220,0	1,60	400	160,0	80115
A-DF(ZN)B2Y	2	Single-mode E9/125	2	14,5	3000	220,0	1,60	400	160,0	80084
A-DF(ZN)B2Y	4	Multimode G50/125	4	14,5	3000	220,0	1,60	400	160,0	80101
A-DF(ZN)B2Y	4	Multimode G62.5/125	4	14,5	3000	220,0	1,60	400	160,0	80116
A-DF(ZN)B2Y	4	Single-mode E9/125	4	14,5	3000	220,0	1,60	400	160,0	80085
A-DF(ZN)B2Y	8	Multimode G50/125	8	14,5	3000	220,0	1,60	400	160,0	80031
A-DF(ZN)B2Y	8	Multimode G62.5/125	8	14,5	3000	220,0	1,60	400	160,0	80071
A-DF(ZN)B2Y	8	Single-mode E9/125	8	14,5	3000	220,0	1,60	400	160,0	80087
A-DF(ZN)B2Y	12	Multimode G50/125	12	14,5	3000	220,0	1,60	400	160,0	80104
A-DF(ZN)B2Y	12	Multimode G62.5/125	12	14,5	3000	220,0	1,60	400	160,0	80120
A-DF(ZN)B2Y	12	Single-mode E9/125	12	14,5	3000	220,0	1,60	400	160,0	80089
A-DF(ZN)B2Y	24	Multimode G50/125	12	14,5	3000	220,0	4,90	400	160,0	80759
A-DF(ZN)B2Y	24	Multimode G62.5/125	12	14,5	3000	220,0	4,90	400	160,0	80123
A-DF(ZN)B2Y	24	Single-mode E9/125	12	14,5	3000	220,0	4,90	400	160,0	80092
A-DF(ZN)B2Y	36	Multimode G50/125	12	14,5	3000	220,0	4,90	400	160,0	81137
A-DF(ZN)B2Y	36	Multimode G62.5/125	12	14,5	3000	220,0	4,90	400	160,0	81138
A-DF(ZN)B2Y	36	Single-mode E9/125	12	14,5	3000	220,0	4,90	400	160,0	81139
A-DF(ZN)B2Y	48	Multimode G50/125	12	14,5	3000	220,0	4,90	400	160,0	80109
A-DF(ZN)B2Y	48	Multimode G62.5/125	12	14,5	3000	220,0	4,90	400	160,0	80125
A-DF(ZN)B2Y	48	Single-mode E9/125	12	14,5	3000	220,0	4,90	400	160,0	80094
A-DF(ZN)B2Y	60	Multimode G50/125	12	14,5	3000	220,0	4,90	400	160,0	80110
A-DF(ZN)B2Y	60	Multimode G62.5/125	12	14,5	3000	220,0	4,90	400	160,0	80126
A-DF(ZN)B2Y	60	Single-mode E9/125	12	14,5	3000	220,0	4,90	400	160,0	80095
A-DF(ZN)B2Y	72	Multimode G50/125	12	14,5	3000	220,0	6,00	400	160,0	81143
A-DF(ZN)B2Y	72	Multimode G62.5/125	12	14,5	3000	220,0	6,00	400	160,0	81144
A-DF(ZN)B2Y	72	Single-mode E9/125	12	14,5	3000	220,0	6,00	400	160,0	81145
A-DF(ZN)B2Y	84	Multimode G50/125	12	16,5	4000	250,0	7,00	400	195,0	80111
A-DF(ZN)B2Y	84	Multimode G62.5/125	12	16,5	4000	250,0	7,00	400	195,0	80127
A-DF(ZN)B2Y	84	Single-mode E9/125	12	16,5	4000	250,0	7,00	400	195,0	80096
A-DF(ZN)B2Y	96	Multimode G50/125	12	17,5	4000	270,0	7,40	400	235,0	81147
A-DF(ZN)B2Y	96	Multimode G62.5/125	12	17,5	4000	270,0	7,40	400	235,0	81148
A-DF(ZN)B2Y	96	Single-mode E9/125	12	17,5	4000	270,0	7,40	400	235,0	81149
A-DF(ZN)B2Y	144	Multimode G50/125	12	21,0	4000	320,0	9,30	400	345,0	80114
A-DF(ZN)B2Y	144	Multimode G62.5/125	12	21,0	4000	320,0	9,30	400	345,0	80130
A-DF(ZN)B2Y	144	Single-mode E9/125	12	21,0	4000	320,0	9,30	400	345,0	80099

## Application

These HELUCOM® fibre-optic cables are characterized by a stranded construction with jelly filling. They are made waterproof in longitudinal direction by filling a jelly mass into the stranding cavities. Non-metallic tension elements and glass yarns ensure above average strain relief and rodent protection. This construction is particularly used in the area of telecommunication and long distance, but also in regular channels and tubes where rodent infestation is possible.

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