

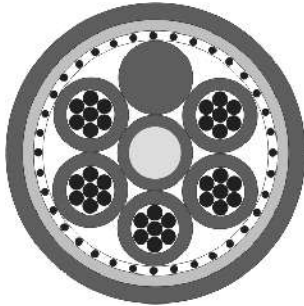
# Fibre Optic Outdoor Cable

acc. DIN VDE 0888

HELUCOM®

RoHS

A-DF(ZN)2Y4Y



## Cable structure

Core type: Buffered-fibre  
GRP support element  
Strain relief elements: Aramide  
Type of armouring: PA sheath  
Inner sheath material: PE  
Outer sheath material: PA  
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  
Cable, laterally water-tight  
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)2Y4Y	2	Multimode G50/125	2	16,0	3000	240,0	1,60	500	165,0	<b>80915</b>
A-DF(ZN)2Y4Y	2	Multimode G62.5/125	2	16,0	3000	240,0	1,60	500	165,0	<b>80927</b>
A-DF(ZN)2Y4Y	2	Single-mode E9/125	2	16,0	3000	240,0	1,60	500	165,0	<b>80945</b>
A-DF(ZN)2Y4Y	4	Multimode G50/125	4	16,0	3000	240,0	1,60	500	165,0	<b>80735</b>
A-DF(ZN)2Y4Y	4	Multimode G62.5/125	4	16,0	3000	240,0	1,60	500	165,0	<b>80928</b>
A-DF(ZN)2Y4Y	4	Single-mode E9/125	4	16,0	3000	240,0	1,60	500	165,0	<b>80895</b>
A-DF(ZN)2Y4Y	8	Multimode G50/125	8	16,0	3000	240,0	1,60	500	165,0	<b>80691</b>
A-DF(ZN)2Y4Y	8	Multimode G62.5/125	8	16,0	3000	240,0	1,60	500	165,0	<b>80809</b>
A-DF(ZN)2Y4Y	8	Single-mode E9/125	8	16,0	3000	240,0	1,60	500	165,0	<b>80118</b>
A-DF(ZN)2Y4Y	12	Multimode G50/125	12	16,0	3000	240,0	1,60	500	165,0	<b>80627</b>
A-DF(ZN)2Y4Y	12	Multimode G62.5/125	12	16,0	3000	240,0	1,60	500	165,0	<b>80931</b>
A-DF(ZN)2Y4Y	12	Single-mode E9/125	12	16,0	3000	240,0	1,60	500	165,0	<b>80947</b>
A-DF(ZN)2Y4Y	24	Multimode G50/125	12	16,0	3000	240,0	4,90	500	165,0	<b>80578</b>
A-DF(ZN)2Y4Y	24	Multimode G62.5/125	12	16,0	3000	240,0	4,90	500	165,0	<b>80576</b>
A-DF(ZN)2Y4Y	24	Single-mode E9/125	12	16,0	3000	240,0	4,90	500	165,0	<b>80577</b>
A-DF(ZN)2Y4Y	36	Multimode G50/125	12	16,0	3000	240,0	4,90	500	165,0	<b>80672</b>
A-DF(ZN)2Y4Y	36	Multimode G62.5/125	12	16,0	3000	240,0	4,90	500	165,0	<b>80935</b>
A-DF(ZN)2Y4Y	36	Single-mode E9/125	12	16,0	3000	240,0	4,90	500	165,0	<b>80950</b>
A-DF(ZN)2Y4Y	48	Multimode G50/125	12	16,0	3000	240,0	4,90	500	165,0	<b>80732</b>
A-DF(ZN)2Y4Y	48	Multimode G62.5/125	12	16,0	3000	240,0	4,90	500	165,0	<b>80936</b>
A-DF(ZN)2Y4Y	48	Single-mode E9/125	12	16,0	3000	240,0	4,90	500	165,0	<b>80951</b>
A-DF(ZN)2Y4Y	60	Multimode G50/125	12	16,0	3000	240,0	4,90	500	165,0	<b>80920</b>
A-DF(ZN)2Y4Y	60	Multimode G62.5/125	12	16,0	3000	240,0	4,90	500	165,0	<b>80938</b>
A-DF(ZN)2Y4Y	72	Multimode G50/125	12	16,0	3000	240,0	6,00	500	165,0	<b>80921</b>
A-DF(ZN)2Y4Y	72	Multimode G62.5/125	12	16,0	3000	240,0	6,00	500	165,0	<b>80939</b>
A-DF(ZN)2Y4Y	72	Single-mode E9/125	12	16,0	3000	240,0	6,00	500	165,0	<b>80954</b>
A-DF(ZN)2Y4Y	84	Multimode G50/125	12	18,0	4000	250,0	7,00	500	200,0	<b>80922</b>
A-DF(ZN)2Y4Y	84	Multimode G62.5/125	12	18,0	4000	250,0	7,00	500	200,0	<b>80940</b>
A-DF(ZN)2Y4Y	84	Single-mode E9/125	12	18,0	4000	250,0	7,00	500	200,0	<b>80955</b>
A-DF(ZN)2Y4Y	96	Multimode G50/125	12	19,0	4000	260,0	7,40	500	240,0	<b>80923</b>
A-DF(ZN)2Y4Y	96	Multimode G62.5/125	12	19,0	4000	260,0	7,40	500	240,0	<b>80941</b>
A-DF(ZN)2Y4Y	96	Single-mode E9/125	12	19,0	4400	260,0	7,40	500	240,0	<b>80956</b>
A-DF(ZN)2Y4Y	144	Multimode G50/125	12	22,5	4000	310,0	9,30	500	350,0	<b>80926</b>
A-DF(ZN)2Y4Y	144	Multimode G62.5/125	12	22,5	4000	310,0	9,30	500	350,0	<b>80944</b>
A-DF(ZN)2Y4Y	144	Single-mode E9/125	12	22,5	4000	310,0	9,30	500	350,0	<b>80959</b>

## 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 a second outer sheath made of polyamide (PA) 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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