

XD200

DIN: **A-DQ(ZN)(L)2Y**
DIN: **A-DSQ(ZN)(L)2Y**

XF200

DIN: **A-DF(ZN)(L)2Y**
DIN: **A-DSF(ZN)(L)2Y**

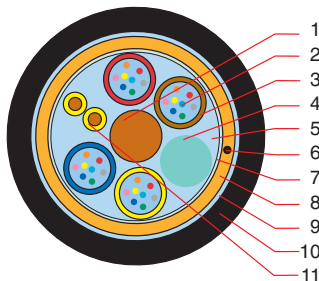
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Stranded, multitube, outdoor, Alu/PE sheath fibre optic cable

Applications

Outdoor fibre optic cable for ducts, trays and direct burial applications



Design

1. FRP – central element
2. optical fibres
3. jelly filled tube(s)
4. filling element(s)
5. swellable elements or jelly
6. ripcord (optional)
7. plastic tape
8. tensile strength elements
9. Alu/PE sheath
10. PE outer sheath
11. Optional: copper pairs or wires

Product description

Structure designed to fit up to 24 tubes stranded around a central strength element. Depending on the fibres/tubes count, tube(s) may be replaced by filling element(s). Each jelly filled tube may include up to 12 optical fibres. Optional copper pairs may be stranded with the tubes. Longitudinal water-tightness is ensured by swellable elements (XD200) or by filling compound (jelly) (XF200). Tensile strength elements are dimensioned in order to meet the tensile requirements. The black Alu/PE outer sheath (moisture barrier) perfectly suits outdoor applications.

**XD200****XF200**

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Technical data

XD200	A-DQ(ZN)(L)2Y			XF200			A-DF(ZN)(L)2Y						
	A-DSQ(ZN)(L)2Y			A-DSF(ZN)(L)2Y									
Fibre count (*)	24	36	12	24	36	48	60	72	96	120	144	192	288
Number of tubes	4	6	1	2	3	4	5	6	8	10	12	16	24
Number of fibres per tube	6	6	12	12	12	12	12	12	12	12	12	12	12
Number of fillers (dummies)	1		4	3	2	1							
Tube outer diameter (mm)	2,1	2,1	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3
Cable diameter (approx.) (mm)	10,5	11,0	11,0	11,0	11,0	11,0	11,0	11,5	13,0	14,5	15,5	15,5	16,0
Outer sheath thickness (mm)	1,5												
Linear weight (approx.) (kg per km)	90	100	95	95	95	95	100	110	135	170	200	185	225
Max. tensile strength (**)													
- short term (installation) (N)	1.600	1.900	1.900	1.900	1.900	1.900	1.900	1.900	2.400	3.200	3.300	3.400	4.300
- long term (operation) (N)	1.000	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.500	2.000	2.000	2.100	2.600
Calorific potential (MJ)	2,3	2,5	2,6	2,6	2,6	2,6	2,6	2,9	3,4	4	4,6	5,2	6,6
Manufacturing length (max.) (km)	4	4	4	4	4	4	4	4	4	4	4	4	4
Crush resistance (N/10cm)	3.000												
Bending radius (minimum)													
- under load	15 x cable diameter												
- without load	10 x cable diameter												
Temperature range													
- storage (°C)	- 40 to + 70												
- installation (°C)	- 5 to + 50												
- operation (°C)	- 30 to + 70												
Tested according to	IEC 60794-1												

(*) other fibre counts are available on request

(**) higher tensile strength is available on request

Marking

"EUPEN + fibre count/fibre type + meter marking"