

XD100

DIN: A-DQ(ZN)2Y

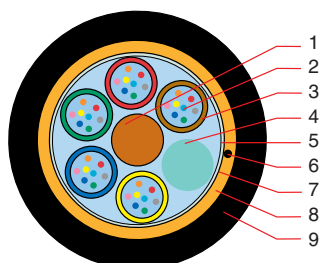
XF100

DIN: A-DF(ZN)2Y

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**Stranded, multitube outdoor fibre optic cable****Applications**

Outdoor fibre optic cable for ducts and trays 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. PE outer sheath

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.

Longitudinal water-tightness is ensured by swellable elements (XD100) or by filling compound (jelly) (XF100). Tensile strength elements are dimensioned in order to meet the tensile requirements. The black PE outer sheath perfectly suits outdoor applications.



XD100

XF100

Technical data

XD100 (A-DQ(ZN)2Y) / XF100 (A-DF(ZN)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)	10,0	10,5	10,5	10,5	10,5	10,5	10,5	11,0	12,5	13,5	15,0	15,5	18,5
Outer sheath thickness (mm)	1,5												
Linear weight (approx.)(kg per km)	70	80	75	75	75	75	75	90	110	140	165	155	225
Max. tensile strength (**)													
- short term (installation) (N)	1.900	2.200	2.000	2.000	2.000	2.000	2.000	2.800	3.600	3.800	3.900	3.700	5.300
- long term (operation) (N)	1.200	1.400	1.200	1.200	1.200	1.200	1.200	1.700	2.200	2.300	2.400	2.300	3.300
Calorific potential (MJ)	2,2	2,4	2,4	2,4	2,4	2,4	2,4	2,7	3,3	3,9	4,5	5,2	7,1
Manufacturing length (max.) (km)	8	8	8	8	8	8	8	8	8	8	6	6	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”