

XDG10

DIN: A-DQ(ZN)B2Y

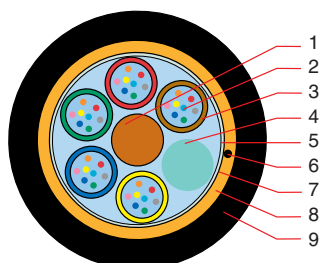
XFG10

DIN: A-DF(ZN)B2Y

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**Stranded, multitube, non-metallic armour 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. glass yarn 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 (XDG10) or by filling compound (jelly) (XFG10).

A layer of helically stranded glass yarns is applied for non-metallic armouring. This layer also provides additional tensile strength. The black PE outer sheath perfectly suits outdoor applications.



XDG10

XFG10

Technical data

XDG10 (A-DQ(ZN)B2Y) / XFG10 (A-DF(ZN)B2Y)													
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 (approx.) (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	11,0	11,0	11,0	11,0	11,0	11,0	12,0	13,0	14,5	15,5	15,5	19,0
Outer sheath thickness (mm)	1,5												
Linear weight (approx.) (kg per km)	75	90	85	85	85	85	85	110	125	155	185	165	260
Max. tensile strength (**)													
- short term (installation) (N)	2.500	3.200	3.200	3.200	3.200	3.200	3.200	4.600	4.900	5.400	5.900	5.000	9.800
- long term (operation) (N)	1.500	2.000	2.000	2.000	2.000	2.000	2.000	2.900	3.100	3.400	3.700	3.100	6.100
Calorific potential (MJ)	2,3	2,5	2,5	2,5	2,5	2,5	2,5	2,9	3,4	4	4,6	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"