

## XDC10

DIN: A-DQ(ZN)(SR)2Y

## XFC10

DIN: A-DF(ZN)(SR)2Y

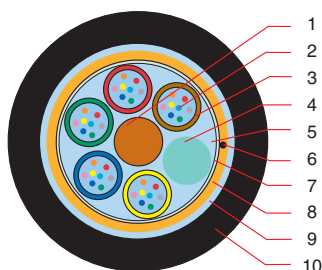
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### Stranded, multitube, corrugated steel tape armour fibre optic cable

#### 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. corrugated steel tape
10. 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 (XDC10) or by filling compound (jelly) (XFC10).

Tensile strength elements are dimensioned in order to meet the tensile requirements. The steel armour provides the cable with a very efficient rodent protection and an excellent resistance to compression, feature required for direct burial.

The black PE outer sheath perfectly suits outdoor applications.



# XDC10

# XFC10

## Technical data

<b>XDC10 (A-DQ(ZN)(SR)2Y) / XFC10 (A-DF(ZN)(SR)2Y)</b>													
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)	11,5	12,0	12,0	12,0	12,0	12,0	12,0	12,5	14,0	15,0	16,5	16,5	19,5
Outer sheath thickness (mm)	1,5												
Linear weight (kg per km)	125	130	125	125	125	125	125	145	175	205	240	225	305
Max. tensile strength (**)													
- short term (installation) (N)	2.400	2.500	2.400	2.400	2.400	2.400	2.400	2.500	3.400	3.500	3.900	3.800	4.900
- long term (operation) (N)	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	2.100	2.200	2.400	2.400	3.000
Calorific potential (MJ)	2,5	2,7	2,8	2,8	2,8	2,7	2,7	3	3,6	4,2	4,8	5,4	7,3
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"