

UC FIBRE™ O STD PE 2.8 kN

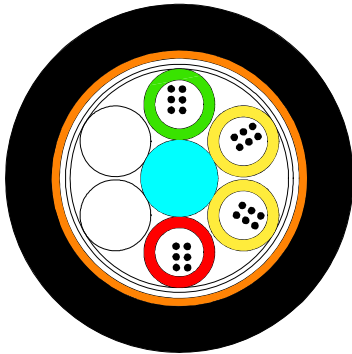
Stranded loose tube, 6 – 312 fibres, 6, 8 or 12 fibre loose tubes, aramid yarn reinforcement, PE sheath

DIN/VDE A - DQ (ZN) 2Y

NO

FR

DK



Application and Installation

Outdoor data and telecommunication trunk lines
Suited for duct installation

Standards

EN 187 000
IEC 60794-3
IEC 60794-3-10
IEC 60794-3-12
ISO 11801 2nd edition
EN 50173-1:2002

Construction

Central strength member	ø2.5 mm FRP rod	
Fibre colour code	1 Red	7 Brown
	2 Green	8 Violet
	3 Blue	9 Turquoise
	4 Yellow	10 Black
	5 White	11 Orange
	6 Grey	12 Pink
Loose tube	Ø2.3 mm loose tubes with jelly filling, with 6, 8 or 12 fibres in each	
Stranding	Up to 14 tubes in one layer and up to 26 tubes in two layers	
Wrapping	Polyester foil and swellable tape for waterblocking	
Reinforcement	Aramid	
Ripcord	Polyester	
Sheath	1.5 mm black MDPE IEC 60811, IEC 60708	

Note: The Draka policy of continuous improvement may cause in changed specifications without prior notice

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Fire rating

None

Physical properties

IEC 60974-1-2

Property	Test method	Value
Tensile strength (installation)	E1	2800 N
Tensile strength (permanent)	E1	1600 N
Compressive strength (crush)	E3	3000N
Impact	E4	20 Nm
Torsion	E7	5 cycles \pm 1 turn
Kink	E10	The cables do not form a kink when a loop is drawn together to a diameter 12 times the cable nominal diameter.
Temperature range	F1	The cables can bear temperature cycling between -40°C and +60°C. The cables will operate without any attenuation variation (\leq 0.05 dB) in the temperature interval -10° C to +60° C. The cables will operate with a maximum attenuation variation of 0.1 dB/km in the temperature interval -40° C to +60° C.
Water penetration	F5	No water on free end

Mechanical properties

Fibre count; 6 fibre/tube	Fibre count; 8 fibre/tube	Fibre count; 12 fibre/tube	Nominal diameter	Nominal cable weight	Minimum bending radius
6-36	8-48	12-72	10.5 mm	90 kg/km	210 mm
42-48	56-64	84-96	12.0 mm	115 kg/km	240 mm
54-60	72-80	108-120	13.5 mm	145 kg/km	270 mm
66-72	88-96	132-144	15.0 mm	180 kg/km	300 mm
78-84	104-112	156-168	16.5 mm	215 kg/km	330 mm
90-108	120-144	180-216	15.0 mm	180 kg/km	330 mm
114-132	152-176	228-264	17.0 mm	230 kg/km	340 mm
		276-312	18.5 mm	290 kg/km	370 mm

Product codes – ordering information

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet

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