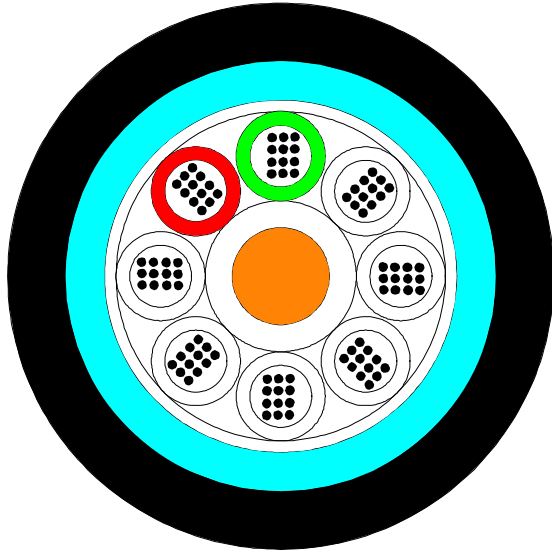


UC^{FIBRE™} O STD DA PE 6.0 kN

Stranded loose tube, 6 – 264 fibres, 6, 8 or 12 fibres per \varnothing 2.3 mm tube, glass yarns, black PE Sheath



Application and Installation

Outdoor cable for LAN, MAN and telcom backbones
Directly installation in the ground
Rodent protection, effective in many cases

Standards

EN 187 000
IEC 60794-3
IEC 60794-3-10
IEC 60794-3-12
ISO 11801 2nd edition
EN 50 173-1

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 jelly filled loose tubes, with 2 – 12 fibres each, up to 22 tubes in two layers, for lay-up refer to B04		
Water blocking	The core is water blocked using swellable tape and yarn		
Wrapping	Swellable tape		
Reinforcement	Heavy layer of glass fibre yarns as reinforcement and rodent protection, effective in most cases.		

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Ripcord	Polyester ripcord for easy slitting the sheath
Sheath	1.5 mm black MDPE, IEC 60811, IEC 60708

Fire rating

None

Physical properties

IEC 60974-1-2

Tensile strength (dynamic)	E1	6000 N
Tensile strength (permanent)	E1	4200 N
Compressive strength (crush)	E3	3000N
Impact	E4	25 Nm
Torsion	E7	5 cycles ± 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 to +70 °C. The cables will operate without any attenuation variation (≤0.05 dB) in the temperature interval -30°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 +70°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	13 mm	140 kg/km	150 mm
42-48	56-64	84-96	14.5 mm	170 kg/km	175 mm
54-60	72-80	108-120	16 mm	220 kg/km	190 mm
66-72	88-96	132-144	17.5 mm	260 kg/km	210 mm
78-84	104-112	156-168	19 mm	300 kg/km	230 mm
90-108	120-144	180-216	18 mm	270 kg/km	220 mm
114-132	152-176	228-264	19.5 mm	240 kg/km	240 mm

Product codes – ordering information

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet
1017192	24 (2 x 12)	UCFIBRE O ST D DA PE 6.0kN 24 MM52	OM2 50/125 multi mode	C01a
1017212	48 (4 x 12)	UCFIBRE O ST D DA PE 6.0kN 48 MM52	OM2 50/125 multi mode	C01a
1017193	24 (2 x 12)	UCFIBRE O ST D DA PE 6.0kN 24 SM2D	OS2 Single mode	C06e
1017462	36 (6 x 6)	UCFIBRE O ST D DA PE 6.0kN 36 SM2D	OS2 Single mode	C06e
1017194	48 (4 x 12)	UCFIBRE O ST D DA PE 6.0kN 48 SM2D	OS2 Single mode	C06e
1017715	192 (16 x 12)	UCFIBRE O ST D DA PE 6.0kN 192 SM2D	OS2 Single mode	C06e