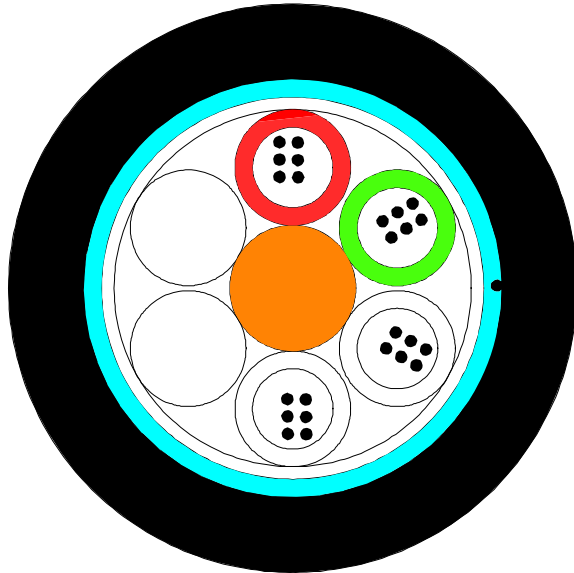


UC^{FIBRE™} O STD DA PE 5.0 kN

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



Application and Installation

Outdoor cable for LAN, MAN and telcom backbones
Directly installation in the ground
High tensile strength

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
Lose tube	ø2.3 mm jelly filled loose tubes, with 6 – 12 fibres each, up to 18 tubes in two layers, for lay-up refer to B04			
Water blocking	The core is water blocked using swellable tape and yarn			

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

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Wrapping	Swellable tape
Reinforcement	Heavy layer of glass fibre yarns as reinforcement and rodent protection, effective in most cases.
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	5000 N
Tensile strength (permanent)	E1	3500 N
Compressive strength (crush)	E3	3000N
Impact	E4	25 Nm
Torsion	E7	5 cycles ± 1 turn
Kink	E10	The cable 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	11 ± 0.5 mm	105 kg/km	150 mm
42-48	56-64	84-96	13 ± 0.5 mm	140 kg/km	175 mm
54-60	72-80	108-120	14 ± 0.5 mm	170 kg/km	190 mm
66-72	88-96	132-144	16 ± 0.5 mm	205 kg/km	220 mm
78-108	104-144	156-216	16 ± 0.5 mm	195 kg/km	220 mm

Product codes – ordering information

Product code	Fibre count	Fibre type	Fibre data sheet
1017213	24 (2 x 12)	OM2 50/125 multi mode	C01a
1017216	48 (4 x 12)	OM2 50/125 multi mode	C01a
1017214	24 (4 x 6)	OS2 Single mode	C06e
1017463	24 (2 x 12)	OS2 Single mode	C06e
1017215	36 (6 x 6)	OS2 Single mode	C06e
1017464	48 (4 x 12)	OS2 Single mode	C06e

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