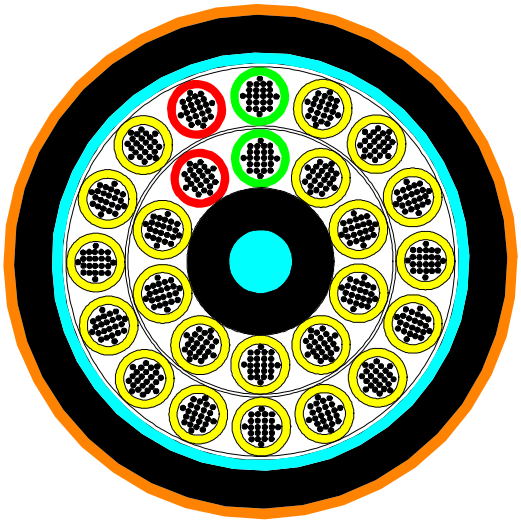
UC$^{FIBRE™}$ O ST D DA PE PA 8.5 kN

Stranded loose tube, 144 – 864 fibres, 24 fibres per ø2.8 mm tube, yarn reinforcement, black PE sheath, orange PA oversheath

DIN/VDE A- DQ (ZN) 2Y 4Y NO FR DK



Application and Installation

This ultra high fibre count cable is suitable for connecting large scale data centres, campus backbones and for telecom networks.

The low friction coefficient of the PA surface gives greatly improved flooding distances during flooding of cables into ducts.
In addition improved blowing distances are obtained.
The hard surface of the PA 12 jacket gives the cable a degree of rodent protection, effective in many cases.
PA 12 is halogen free.

Standards

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

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

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Construction

Central strength member	Ø 3.0 mm FRP rod			
Fibre colour code	1	Red	13	Yellow w/mark per 70 mm
	2	Green	14	White w/mark per 70 mm
	3	Blue	15	Grey w/mark per 70 mm
	4	Yellow	16	Turquoise w/mark per 70 mm
	5	White	17	Orange w/mark per 70 mm
	6	Grey	18	Pink w/mark per 70 mm
	7	Brown	19	Yellow w/mark every 35 mm
	8	Violet	20	White w/mark every 35 mm
	9	Turquoise	21	Grey w/mark every 35 mm
	10	Black	22	Turquoise w/mark every 35 mm
	11	Orange	23	Orange w/mark every 35 mm
	12	Pink	24	Pink w/mark every 35 mm
Lose tube	Ø 2.8 mm jelly filled loose tubes, with 24 fibres each, up to 36 tubes in 3 layers, for lay-up refer to B04			
Water blocking	The core is completely filled with a synthetic filling compound, IEC 60811-5-1			
Wrapping	Tape			
Reinforcement	Layer of glass fibre roving			
Ripcord	Polyester ripcord for easy slitting the sheath			
Sheath	1.5 mm black MDPE, IEC 60811, IEC 60708			
Jacket	0.5 mm orange PA 12			

Fire rating

None

Physical properties

IEC 60974-1-2

Tensile strength (dynamic)	E1	>8.5 kN	
Tensile strength (permanent)	E1	>5 kN	
Compressive strength (crush)	E3	3000 N	
Impact	E4	15 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	Operation and installation Storage	-25 °C to 60 °C -40 °C to 60 °C
Water penetration	F5	No water on free end	

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Mechanical properties

Fibre count	Number of layers	Nominal diameter	Nominal cable weight	Minimum bending radius
Up to 144	1	14 mm	180 kg/km	160 mm
168, 192	1	16 mm	204 kg/km	210 mm
216, 240	1	18 mm	228 kg/km	260 mm
264, 288	1	20 mm	252 kg/km	320 mm
312 - 432	2	20 mm	252 kg/km	320 mm
456 – 528	2	22 mm	276 kg/km	380 mm
552 – 624	2	25 mm	312 kg/km	490 mm
864	3	27 mm	400 kg/km	580 mm

Product codes – ordering information

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

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