

## E13a: UC<sup>FIBRE™</sup> Outdoor Central Tube Cable

Central tube cable with 2- 24 fibres, glass elements, LLDPE inner sheath, PA outer sheath. VDE: A-DQB2Y4Y



### Application and installation

The cable is well suited for outdoor LAN and WAN backbones, campus networks and telecom access connections. The cable may be installed in ducts by blowing or flooding.

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 and anti-termite features, effective in many cases. PA 12 is halogen free.

### Standards

ISO 11801-1, EN 50173-1:2002, IEC 60794-1

### Construction

Loose tube	Ø2.8 mm jelly filled loose tube with 2 – 24 fibres			
Fibre colour code	1	Red	13	Red w/mark every 70 mm
	2	Green	14	Green w/mark every 70 mm
	3	Blue	15	Blue w/mark every 70 mm
	4	Yellow	16	Yellow w/mark every 70 mm
	5	White	17	White w/mark every 70 mm
	6	Grey	18	Grey w/mark every 70 mm
	7	Brown	19	Brown w/mark every 70 mm
	8	Violet	20	Violet w/mark every 70 mm
	9	Turquoise	21	Turquoise w/mark every 70 mm
	10	Black	22	White w/mark every 35 mm
	11	Orange	23	Orange w/mark every 70 mm
	12	Pink	24	Pink w/mark every 70 mm
Strength member	Water-blocked E-Glass fibre elements			
Inner Sheath	1.2 mm black LLDPE sheath, IEC 60811, IEC 60708			
Outer Sheath	0.5 mm orange PA, UV stabilised (black is also optional)			
Sheath marking	Draka UC <sup>FIBRE</sup> O CT PE PA 3.0 kN <Fibre count> <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> A-DQ(ZN)B2Y4Y <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>			

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### Physical properties

Attribute	IEC 60794-1-21/22 Method	Limits
Nominal outer diameter	-	2 - 24 fibres: 7.7 mm
Nominal weight	-	2 - 24 fibres: 65 kg/km
Maximum installation tensile strength	E1	3000 N (fibre strain ≤ 0.6%)
Permanent tensile strength	E1	1000 N (fibre strain ≤ 0.2%)
Compressive strength (crush)	E3	3000 N
Impact	E4	20 Nm (no attenuation change, no broken cable elements)
Torsion	E7	5 cycles ± 1 turn
Kink	E10	The cables do not form a kink when a loop is drawn together to a diameter of 200 mm
Min. bending radius, unloaded (permanent)	E11	R = 77 mm
Min. bending radius, loaded (installation)	E18a	R = 154 mm
Temperature range	F1	Storage: -40°C to +60°C (short term up to 70°C) Installation: -15°C to +40°C Operation: -30°C to +70°C
Water penetration	F5B	No water on free end

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### Product codes – ordering information

Product code	Product description	Fibre count	Fibre type	Fibre data sheet
60020741	UC <sup>FIBRE</sup> O CT PE PA 3kN 4 OM2B	4	MaxCap-BB-OM2	C34
	UC <sup>FIBRE</sup> O CT PE PA 3kN 6 OM2B	6	MaxCap-BB-OM2	C34
60040382	UC <sup>FIBRE</sup> O CT PE PA 3kN 8 OM2B	8	MaxCap-BB-OM2	C34
60018950	UC <sup>FIBRE</sup> O CT PE PA 3kN 12 OM2B	12	MaxCap-BB-OM2	C34
	UC <sup>FIBRE</sup> O CT PE PA 3kN 24 OM2B	24	MaxCap-BB-OM2	C34
	UC <sup>FIBRE</sup> O CT PE PA 3kN 4 OM3B	4	MaxCap-BB-OM3	C31
60045914	UC <sup>FIBRE</sup> O CT PE PA 3kN 6 OM3B	6	MaxCap-BB-OM3	C31
	UC <sup>FIBRE</sup> O CT PE PA 3kN 8 OM3B	8	MaxCap-BB-OM3	C31
	UC <sup>FIBRE</sup> O CT PE PA 3kN 12 OM3B	12	MaxCap-BB-OM3	C31
60039651	UC <sup>FIBRE</sup> O CT PE PA 3kN 16 OM3	16	MaxCap-BB-OM3	C31
	UC <sup>FIBRE</sup> O CT PE PA 3kN 24 OM3B	24	MaxCap-BB-OM3	C31
	UC <sup>FIBRE</sup> O CT PE PA 3kN 4 OM4B	4	MaxCap-BB-OM4	C32
	UC <sup>FIBRE</sup> O CT PE PA 3kN 6 OM4B	6	MaxCap-BB-OM4	C32
	UC <sup>FIBRE</sup> O CT PE PA 3kN 8 OM4B	8	MaxCap-BB-OM4	C32
	UC <sup>FIBRE</sup> O CT PE PA 3kN 12 OM4B	12	MaxCap-BB-OM4	C32
	UC <sup>FIBRE</sup> O CT PE PA 3kN 16 OM4B	16	MaxCap-BB-OM4	C32
	UC <sup>FIBRE</sup> O CT PE PA 3kN 24 OM4B	24	MaxCap-BB-OM4	C32
	UC <sup>FIBRE</sup> O CT PE PA 3kN 4 OM5B	4	WideCap-OM5	C39
	UC <sup>FIBRE</sup> O CT PE PA 3kN 8 OM5B	8	WideCap-OM5	C39
	UC <sup>FIBRE</sup> O CT PE PA 3kN 12 OM5B	12	WideCap-OM5	C39
	UC <sup>FIBRE</sup> O CT PE PA 3kN 24 OM5B	24	WideCap-OM5	C39
60019669	UC <sup>FIBRE</sup> O CT PE PA 3kN 2 SM2D	2	OS2 G.652.D	C03e
60019670	UC <sup>FIBRE</sup> O CT PE PA 3kN 4 SM2D	4	OS2 G.652.D	C03e
	UC <sup>FIBRE</sup> O CT PE PA 3kN 6 SM2D	6	OS2 G.652.D	C03e
60018944	UC <sup>FIBRE</sup> O CT PE PA 3kN 8 SM2D	8	OS2 G.652.D	C03e
60018889	UC <sup>FIBRE</sup> O CT PE PA 3kN 12 SM2D	12	OS2 G.652.D	C03e
	UC <sup>FIBRE</sup> O CT PE PA 3kN 16 SM2D	16	OS2 G.652.D	C03e
60073150	UC <sup>FIBRE</sup> O CT PE PA 3kN 24 SM2D	24	OS2 G.652.D	C03e
	UC <sup>FIBRE</sup> O CT PE PA 3kN 4 SM7A1	4	OS2 BendBright G.657.A1	C17
	UC <sup>FIBRE</sup> O CT PE PA 3kN 6 SM7A1	6	OS2 BendBright G.657.A1	C17
	UC <sup>FIBRE</sup> O CT PE PA 3kN 8 SM7A1	8	OS2 BendBright G.657.A1	C17
	UC <sup>FIBRE</sup> O CT PE PA 3kN 12 SM7A1	12	OS2 BendBright G.657.A1	C17
	UC <sup>FIBRE</sup> O CT PE PA 3kN 24 SM7A1	24	OS2 BendBright G.657.A1	C17

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