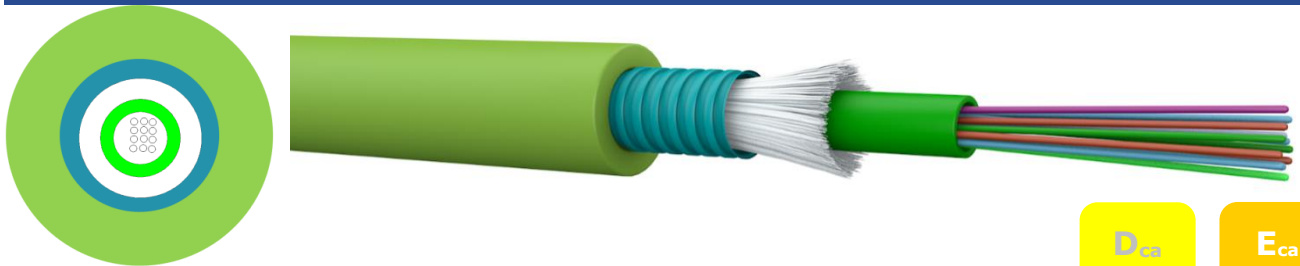


# E21: UC<sup>FIBRE</sup> Universal Central Tube Dca Armoured Gel-Filled Cable

**3000N, Ind/Out, Class D<sub>ca</sub> gel-filled, water-blocked central tube cable, up to 24 fibres, glass yarns, steel tape armouring and FireRes<sup>®</sup> sheath. DIN/VDE: U-D(ZN)(SR)H**



## Application and Installation

This cable can be used for LAN and WAN backbones, telecom access lines, fibre to business and fibre to the building drop connections; as well as fibre to the home drop and access connections. With its FireRes<sup>®</sup> sheathing this cable is ideal for indoor/outdoor (limited UV) mixed installation. The cable, having a corrugated steel tape armouring, is rodent proof. The cable is well suited for installation in ducts and on trays, indoor as well as outdoor.

## Standards

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

## Flame Resistance

LSHF-FR (FRNC): IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034-2, EN 50399 Class D<sub>ca</sub>S2d2a1, Class E<sub>ca</sub>

## Construction

Loose tube	ø2.8 mm gel-filled loose tube with 2 – 24 fibres		
Fibre colour code	1	Red	13 Red w/mark every 70mm
	2	Green	14 Green w/mark every 70mm
	3	Blue	15 Blue w/mark every 70mm
	4	Yellow	16 Yellow w/mark every 70mm
	5	White	17 White w/mark every 70mm
	6	Grey	18 Grey w/mark every 70mm
	7	Brown	19 Brown w/mark every 70mm
	8	Violet	20 Violet w/mark every 70mm
	9	Turquoise	21 Turquoise w/mark every 70mm
	10	Black	22 White w/mark every 35mm
	11	Orange	23 Orange w/mark every 70mm
	12	Pink	24 Pink w/mark every 70mm
Strength member	E-Glass yarns		
Armouring	0.15 mm corrugated steel tape		
Sheath	1.5 mm, FireRes <sup>®</sup> sheath, UV stabilised, EN 50290-2-27		
Cable Sheath colours	Cable with Singlemode fibres		Yellow, RAL 1018
	Cable with OM1 fibres		Grey, RAL 7037
	Cable with MaxCap-BendBright-OM2 fibres		Orange, RAL 2009
	Cable with MaxCap-BendBright-OM3		Aqua, RAL 6027
	Cable with MaxCap-BendBright-OM4		Erika-Violet, RAL 4003
Cable with BendBright WideCap-OM5 fibres		Lime-Green	

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Sheath marking	Draka UC <sup>FIBRE</sup> I/O CT CST LSHF-FR Dca-s2-d2-a1 3.0 kN <Fibre count> <Fibre type><Fibre brand><Item No><Factory No><Batch Number><Meter mark> U-D(ZN)(SR)H <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>
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## Physical Properties

Attribute	Method IEC 60974-1-21/22	Limits
Nominal outer diameter	-	2 - 24 fibres: 8.5 mm
Nominal weight	-	2 - 24 fibres: 75 kg/km
Tensile strength (dynamic)	E1	3000 N (fibre strain ≤ 0.6%)
Tensile strength (permanent)	E1	1000 N (fibre strain ≤ 0.2%)
Compressive strength (crush)	E3	2200 N / 100 mm
Impact	E4	30 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 of 100 mm
Min. bending radius unloaded (permanent)	E11	R = 85 mm
Min. bending radius loaded (installation)		R = 170 mm
Temperature range	F1	Storage and installation: -40°C to +70°C Operation: -40°C to +70°C
Heat of combustion		2-24 fibres: 1200 MJ/km 0.33 kWh/m

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## Product Codes

Product Code	DoP Number*	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 4 OM3B AQ	4	MaxCap-BB-OM3	C31
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 6 OM3B AQ	6	MaxCap-BB-OM3	C31
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 8 OM3B AQ	8	MaxCap-BB-OM3	C31
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 12 OM3B AQ	12	MaxCap-BB-OM3	C31
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 24 OM3B AQ	24	MaxCap-BB-OM3	C31
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 4 OM4B 4003	4	MaxCap-BB-OM4	C32
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 6 OM4B 4003	6	MaxCap-BB-OM4	C32
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 8 OM4B 4003	8	MaxCap-BB-OM4	C32
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 12 OM4B 4003	12	MaxCap-BB-OM4	C32
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 24 OM4B 4003	24	MaxCap-BB-OM4	C32
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 4 OM5B LG	4	WideCap-OM5	C39
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 6 OM5B LG	6	WideCap-OM5	C39
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 8 OM5B LG	8	WideCap-OM5	C39
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 12 OM5B LG	12	WideCap-OM5	C39
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 24 OM5B LG	24	WideCap-OM5	C39
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 4 SM2D YL	4	OS2 G.652.D	C03e
60061350	1004863	UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 6 SM2D YL	6	OS2 G.652.D	C03e
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 8 SM2D YL	8	OS2 G.652.D	C03e
60061290	1004860	UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 12 SM2D YL	12	OS2 G.652.D	C03e
60071300	1004861	UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 24 SM2D YL	24	OS2 G.652.D	C03e
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 4 SM7A1 YL	4	OS2 BendBright G.657.A1	C17
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 6 SM7A1 YL	6	OS2 BendBright G.657.A1	C17
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 8 SM7A1 YL	8	OS2 BendBright G.657.A1	C17
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 12 SM7A1 YL	12	OS2 BendBright G.657.A1	C17
		UC <sup>FIBRE</sup> I/O CT CST LSHF-FR 3kN 24 SM7A1 YL	24	OS2 BendBright G.657.A1	C17

\*DoP Numbers are per product code and any DoP number proves CPR approval for the cable. DoP files can be downloaded from the website: [www.prysmiangroup.com/cpr](http://www.prysmiangroup.com/cpr)

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