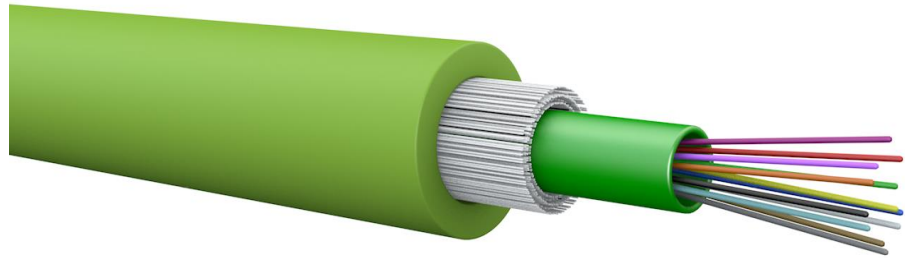
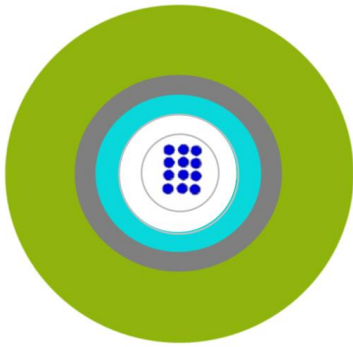


E25: UC^{FIBRE} Universal Central Tube Non-Metallic Gel-Filled B2ca Cable

3000N, non-metallic Class-B2_{ca} gel-filled central tube cable, up to 24 fibres, glass yarns and FireRes[®] sheath.
DIN/VDE: U-DQ(ZN)BH



B2_{ca}
CPR

C_{ca}
CPR

D_{ca}
CPR

E_{ca}
CPR

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.

Non-metallic cable is with gel-filled tubes and water-blocked design. With its FireRes[®] sheathing this cable is ideal for indoor installations. It is CPR Class B2_{ca} cable with very high flame retardant performance. It has glass yarns for limited rodent protection.

The cable is water-blocked and well suited for installation in ducts and on trays indoor and limited outdoor use in ducts.

Standards

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

Flame resistance

EN 50399: Class B2_{ca} s1a-d1-a1, Class C_{ca}, Class D_{ca}, Class E_{ca}
LSHF-FR (FRNC): IEC 60332-1-2; IEC 60332-3-24, IEC 60754-2; IEC 61034

Construction

Loose tube	Ø2.8 mm gel-filled loose tube for 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

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Strength member & Water-blocking	Water-blocking Glass yarns	
Cable Sheath colours	Cable with SM fibres: BendBright ^{XS} G.657.A2, BendBright G.657.A1	Yellow, RAL 1018
	Cable with OM1	Grey, RAL 7037
	Cable with MaxCap-BendBright-OM2	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	Lime-Green
Sheath	2.0 mm, FireRes [®] sheath, UV stabilised, EN 50290-2-27	
Sheath marking	Draka UC ^{FIBRE} I/O CT LSHF-FR B2ca-s1a-d1-a1 3.0 kN <Fibre count> <Fibre type> <Fibre brand> <Item No> <Factory Code> <Batch Number> <Meter mark> U-DQ(ZN)BH <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>	

Physical properties

IEC 60794-1-21/22

Nominal outer diameter	-	2 - 24 fibres: 10.0 mm
Nominal weight	-	2 - 24 fibres: 112 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	2000 N / 100 mm
Torsion	E7	5 cycles ± 1 turn
Impact [J]	E4	20
Kink	E10	The cables do not form a kink when a loop is drawn together to a diameter of 100 mm
Min. Permanent bending radius (unloaded) [mm]	E11	90 mm
Min. Installation bending radius (loaded) [mm]	E18a	180 mm
Temperature range	F1	Storage and installation: -40°C to +70°C Operation: -40°C to +70°C The max. attenuation variation in the operational temperature range is: For MM fibres: 0.5 dB/km For SM fibres: 0.2 dB/km

E25: UC^{FIBRE} Universal Central Tube Non-Metallic Gel-Filled B2ca Cable

Product codes – ordering information

Product Code	DoP Number*	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 4 OM3B AQ	4	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 6 OM3B AQ	6	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 8 OM3B AQ	8	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 12 OM3B AQ	12	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 24 OM3B AQ	24	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 4 OM4B 4003	4	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 6 OM4B 4003	6	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 8 OM4B 4003	8	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 12 OM4B 4003	12	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 24 OM4B 4003	24	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 4 OM5B LG	4	WideCap-OM5	C39
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 6 OM5B LG	6	WideCap-OM5	C39
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 8 OM5B LG	8	WideCap-OM5	C39
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 12 OM5B LG	12	WideCap-OM5	C39
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 24 OM5B LG	24	WideCap-OM5	C39
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 4 SM2D YL	4	OS2 G.652.D	C03
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 6 SM2D YL	6	OS2 G.652.D	C03
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 8 SM2D YL	8	OS2 G.652.D	C03
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 12 SM2D YL	12	OS2 G.652.D	C03
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 24 SM2D YL	24	OS2 G.652.D	C03
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 4 SM7A1 YL	4	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 6 SM7A1 YL	6	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 8 SM7A1 YL	8	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 12 SM7A1 YL	12	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 24 SM7A1 YL	24	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 4 SM7A2 YL	4	OS2 BendBright ^{XS} G.657.A2	C24
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 6 SM7A2 YL	6	OS2 BendBright ^{XS} G.657.A2	C24
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 8 SM7A2 YL	8	OS2 BendBright ^{XS} G.657.A2	C24
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 12 SM7A2 YL	12	OS2 BendBright ^{XS} G.657.A2	C24
		UC ^{FIBRE} I/O CT LSHF-FR B2 3.0 kN 24 SM7A2 YL	24	OS2 BendBright ^{XS} G.657.A2	C24

*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

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