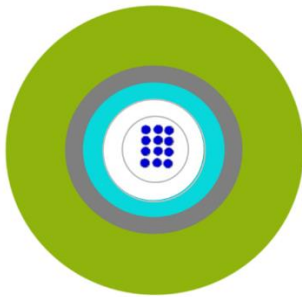


E19: UC^{FIBRE} Universal Central Tube B2ca Armoured Gel-Filled Cable

3000N, Ind/Out, Class B2_{ca}-s1a-d1-a1, gel-filled, water-blocked central tube cable, up to 24 fibres, glass yarn, steel tape armouring and FireRes[®] 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[®] sheathing this cable is ideal for indoor installations. It is CPR Class B2_{ca} cable with very high flame retardant performance. The cable with corrugated steel tape armouring is rodent proof. The cable is well suited for installation in ducts and on trays indoor and shorter outdoor applications.

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 60754-1; IEC 60754-2; IEC 61034

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		
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

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	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	1.5 mm, FireRes [®] sheath, UV stabilised, EN 50290-2-27	
Sheath marking	Draka UC ^{FIBRE} I/O CT CST LSHF-FR B2ca-s1a-d1-a1 3.0 kN <Fibre count> <Fibre type><Fibre brand><Item No><Factory Code><Batch Number><Meter mark> U-D(ZN)(SR)H <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>	

Physical properties

Property	IEC 60794-1-21/22 Test method	Value
Nominal outer diameter	-	2 - 24 fibres: 8.5 mm
Nominal weight	-	2 - 24 fibres: 100 kg/km
Tensile strength (installation)	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
Torsion	E7	5 cycles ± 1 turn
Impact	E4	30 Nm
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

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Product codes

Product Code	DoP Number*	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 4 OM3B AQ	4	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 6 OM3B AQ	6	MaxCap-BB-OM3	C31
60072991	1008101	UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 8 OM3B AQ	8	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 12 OM3B AQ	12	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 24 OM3B AQ	24	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 4 OM4B 4003	4	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 6 OM4B 4003	6	MaxCap-BB-OM4	C32
60072992	1008102	UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 8 OM4B 4003	8	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 12 OM4B 4003	12	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 24 OM4B 4003	24	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 4 OM5B LG	4	WideCap-OM5	C39
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 6 OM5B LG	6	WideCap-OM5	C39
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 8 OM5B LG	8	WideCap-OM5	C39
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 12 OM5B LG	12	WideCap-OM5	C39
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 24 OM5B LG	24	WideCap-OM5	C39
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 4 SM2D YL	4	OS2 G.652.D	C03e
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 6 SM2D YL	6	OS2 G.652.D	C03e
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 8 SM2D YL	8	OS2 G.652.D	C03e
60073635	1008280	UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 12 SM2D YL	12	OS2 G.652.D	C03e
		UC ^{FIBRE} I/O CT CST LSHF-FR B2 3kN 24 SM2D YL	24	OS2 G.652.D	C03e

*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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