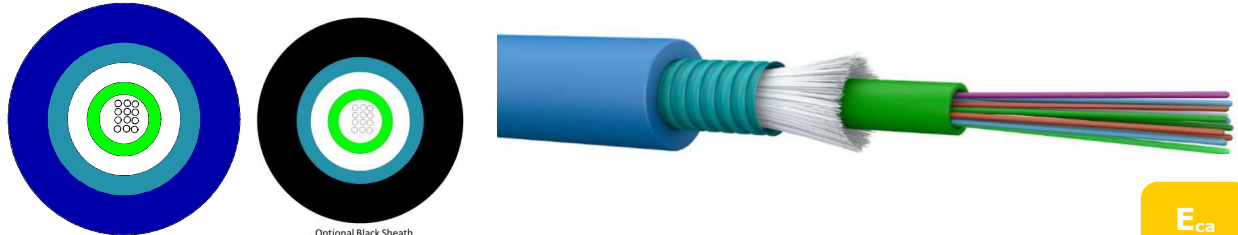


E07a: UC^{FIBRE} Universal Central Tube Armoured Cable

3000 N, Ind/Out, unitube up to 24 fibres, glass yarns, steel tape armouring and FireBur[®] 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 FireBur[®] sheathing this cable is ideal for indoor/outdoor 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. The cable is excellent for direct burial with proper sand back filling.

Standards

ISO 11801-1, EN 50575, EN 50173-1, IEC 60794-1, EN50575

Flame Resistance

LSHF (LSOH): IEC 60332-1-2, IEC 60754-1, IEC 60754-2, IEC 61034-2, Class E_{ca}

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, Blue (Black optional) FireBur [®] sheath, UV stabilised, EN 50290-2-27		
Sheath marking	Draka UC ^{FIBRE} I/O CT CST LSHF 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>		

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Physical Properties

IEC 60974-1-21/22

Attribute	Method	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

Product Codes

Product Code	DoP Number*	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
		UC ^{FIBRE} I/O CT CST LSHF 3kN 6 MM61	6	OM1 62.5/125	C02
		UC ^{FIBRE} I/O CT CST LSHF 3kN 8 MM61	8	OM1 62.5/125	C02
		UC ^{FIBRE} I/O CT CST LSHF 3kN 12 MM61	12	OM1 62.5/125	C02
		UC ^{FIBRE} I/O CT CST LSHF 3kN 24 MM61	24	OM1 62.5/125	C02
60042298	1004803	UC ^{FIBRE} I/O CT CST LSHF 3kN 4 OM2B	4	MaxCap-BB-OM2	C34
60047155	1002468	UC ^{FIBRE} I/O CT CST LSHF 3kN 6 OM2B	6	MaxCap-BB-OM2	C34
60026599	1004790	UC ^{FIBRE} I/O CT CST LSHF 3kN 4 OM2B BK	4	MaxCap-BB-OM2	C34
60020527	1004783	UC ^{FIBRE} I/O CT CST LSHF 3kN 8 OM2B BK	8	MaxCap-BB-OM2	C34
60024971	1002456	UC ^{FIBRE} I/O CT CST LSHF 3kN 12 OM2B BK	12	MaxCap-BB-OM2	C34
60071393	1004787	UC ^{FIBRE} I/O CT CST LSHF 3kN 24 OM2B BK	24	MaxCap-BB-OM2	C34
		UC ^{FIBRE} I/O CT CST LSHF 3kN 4 OM3B	4	MaxCap-BB-OM3	C31
60020317		UC ^{FIBRE} I/O CT CST LSHF 3kN 6 OM3B	6	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O CT CST LSHF 3kN 8 OM3B	8	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O CT CST LSHF 3kN 12 OM3B	12	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O CT CST LSHF 3kN 24 OM3B	24	MaxCap-BB-OM3	C31
60025024	1002459	UC ^{FIBRE} I/O CT CST LSHF 3kN 4 OM3B BK	4	MaxCap-BB-OM3	C31
60020748	1002454	UC ^{FIBRE} I/O CT CST LSHF 3kN 8 OM3B BK	8	MaxCap-BB-OM3	C31
60020268	1002452	UC ^{FIBRE} I/O CT CST LSHF 3kN 12 OM3B BK	12	MaxCap-BB-OM3	C31
60071397	1004413	UC ^{FIBRE} I/O CT CST LSHF 3kN 24 OM3B BK	24	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O CT CST LSHF 3kN 4 OM4B	4	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O CT CST LSHF 3kN 6 OM4B	6	MaxCap-BB-OM4	C32
60030797		UC ^{FIBRE} I/O CT CST LSHF 3kN 8 OM4B	8	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O CT CST LSHF 3kN 12 OM4B	12	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O CT CST LSHF 3kN 24 OM4B	24	MaxCap-BB-OM4	C32
60047371	1002469	UC ^{FIBRE} I/O CT CST LSHF 3kN 4 OM4B BK	4	MaxCap-BB-OM4	C32
60032040	1002463	UC ^{FIBRE} I/O CT CST LSHF 3kN 8 OM4B BK	8	MaxCap-BB-OM4	C32

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60038327	1005752	UC ^{FIBRE} I/O CT CST LSHF 3kN 12 OM4B BK	12	MaxCap-BB-OM4	C32
60038334	1004800	UC ^{FIBRE} I/O CT CST LSHF 3kN 16 OM4B BK	16	MaxCap-BB-OM4	C32
60071411	1007648	UC ^{FIBRE} I/O CT CST LSHF 3kN 24 OM4B BK	24	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O CT CST LSHF 3kN 4 OM5B	4	WideCap-OM5	C39
		UC ^{FIBRE} I/O CT CST LSHF 3kN 6 OM5B	6	WideCap-OM5	C39
		UC ^{FIBRE} I/O CT CST LSHF 3kN 8 OM5B	8	WideCap-OM5	C39
		UC ^{FIBRE} I/O CT CST LSHF 3kN 12 OM5B	12	WideCap-OM5	C39
		UC ^{FIBRE} I/O CT CST LSHF 3kN 24 OM5B	24	WideCap-OM5	C39
60019682		UC ^{FIBRE} I/O CT CST LSHF 3kN 4 SM2D	4	OS2 G.652.D	C03e
60018755		UC ^{FIBRE} I/O CT CST LSHF 3kN 6 SM2D	6	OS2 G.652.D	C03e
60033012	1002083	UC ^{FIBRE} I/O CT CST LSHF 3kN 8 SM2D	8	OS2 G.652.D	C03e
60018759	1001586	UC ^{FIBRE} I/O CT CST LSHF 3kN 12 SM2D	12	OS2 G.652.D	C03e
60071179	1007601	UC ^{FIBRE} I/O CT CST LSHF 3kN 24 SM2D	24	OS2 G.652.D	C03e
60027087	1002462	UC ^{FIBRE} I/O CT CST LSHF 3kN 4 SM2D BK	4	OS2 G.652.D	C03e
60025893	1002460	UC ^{FIBRE} I/O CT CST LSHF 3kN 8 SM2D BK	8	OS2 G.652.D	C03e
60020206	1002451	UC ^{FIBRE} I/O CT CST LSHF 3kN 12 SM2D BK	12	OS2 G.652.D	C03e
60032318	1002464	UC ^{FIBRE} I/O CT CST LSHF 3kN 16 SM2D BK	16	OS2 G.652.D	C03e
60071410	1007921	UC ^{FIBRE} I/O CT CST LSHF 3kN 24 SM2D BK	24	OS2 G.652.D	C03e
60018753	1001584	UC ^{FIBRE} I/O CT CST LSHF 3kN 4 MM61	4	OM1 62.5 μm	C02
60071405	1007586	UC ^{FIBRE} I/O CT CST LSHF 3kN 24 MM61	24	OM1 62.5 μm	C02
60071409	1007646	UC ^{FIBRE} I/O CT CST LSHF 3kN 24 MM61 BK	24	OM1 62.5 μm	C02

*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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