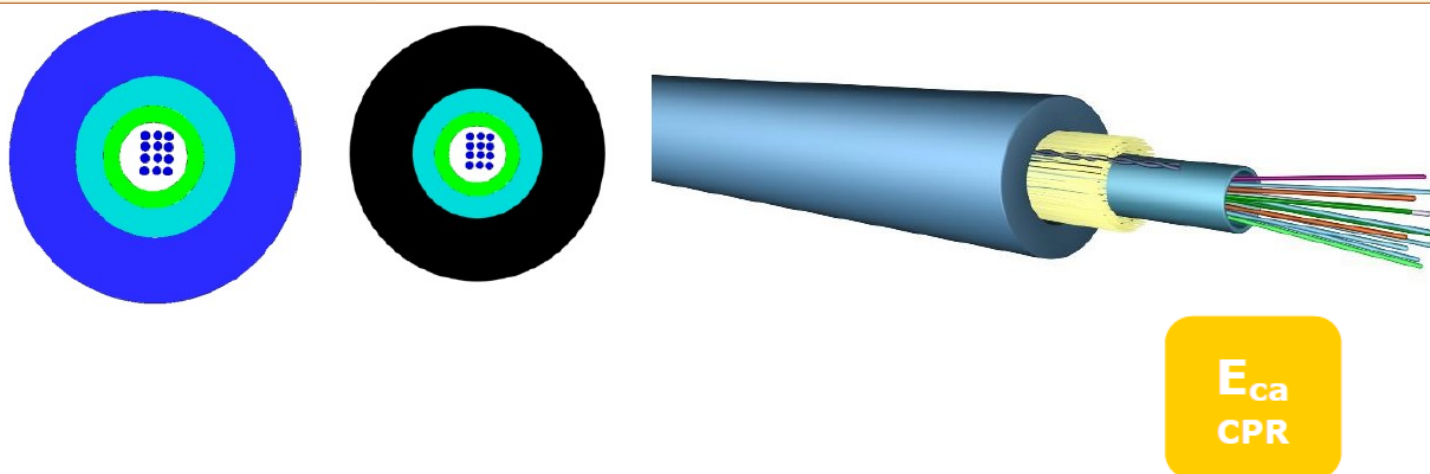


Product Information

E14a: Universal central tube cable, 2000N, cable with 2÷24 fibres, glass elements and FireBur® sheath, U-DQ(ZN) BH

No. Card: PI_10250XYZ_01.24



E_{ca}
CPR

Application

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 it's FireBur® LSHF sheathing this cable is ideal for mixed and outdoor installation. It is equally suited for installation in ducts and on trays. It has a degree of rodent protection.

Standards

ISO 11801-1
EN 50173-1
IEC 60794-1
IEC 60794-2
IEC 61034-2
IEC 50290-2-27

Fire properties

IEC, PN EN 60332-1-2	Single vertical cable test
IEC, PN EN 60754-1	Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content
IEC, PN EN 60754-2	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC, PN EN 61034-2	Measurement of smoke density of cables burning under defined conditions - Part 2: Test procedure and requirements
EN 50399	Class Eca

Heat of combustion

2÷24 fibres:	660 MJ/km	0.18 kWh/km
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Construction

Loose tube	Ø 2.8 mm gell-filled loose tube with 2-24	
Fibre colour coding	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	
Sheath	1.0 mm blue FireBur® sheath, UV stabilised, IEC 50290-2-27	

Mechanical properties

Property	Testing	Value
Nominal Outer Diameter		Ø 5.8 mm
Nominal weight		40 kg/km
Maximun installation tensile strength	E1	2000 N (fibre strain ≤ 0.6%)
Permanent tensile strength	E1	750 N (fibre strain ≤ 0.2%)
Crush resistance	E3	2000 N/10 cm
Impact	E4	15 Nm (no attenuation change, no broken cable elements)
Torsion	E7	5 cycles ± 1 turn
Kink	E10	The cables do not form a king when aloop is drawn together to a diameter of 100
Minimum bending radius (unloaded, loaded)	E11	R=58 mm, R=116 mm
Water penetration	F5B	No water on free end
Temperature range	F1	Storage: from -40°C to +60°C Installation: from -30°C to +40°C Operation: from -30°C to +60°C

Transmission characteristic

Refer to fibre data sheets

Product Information

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Performance/Variants

An example description of Draka 2E cable in the DoP document:

UCFIBRE I/O CT LSHF 2.0 kN 2 SM7A BL

BKT Index	Draka DoP No	Fibers No	Product Description	Fibre Type	Fibre Data sheet
10250302	1002406	4	UCFIBRE I/O CT LSHF 2.0kN OM2B	OM2 MaxCap-BB-OM2 50/125 MM	C34
10250303	n/a	6	UCFIBRE I/O CT LSHF 2.0kN OM2B	OM2 MaxCap-BB-OM2 50/125 MM	C34
10250304	1002401	8	UCFIBRE I/O CT LSHF 2.0kN OM2B	OM2 MaxCap-BB-OM2 50/125 MM	C34
10250306	1002397	12	UCFIBRE I/O CT LSHF 2.0kN OM2B	OM2 MaxCap-BB-OM2 50/125 MM	C34
10250307	n/a	16	UCFIBRE I/O CT LSHF 2.0kN OM2B	OM2 MaxCap-BB-OM2 50/125 MM	C34
10250308	1008123	24	UCFIBRE I/O CT LSHF 2.0kN OM2B	OM2 MaxCap-BB-OM2 50/125 MM	C34
10250402	1002410	4	UCFIBRE I/O CT LSHF 2.0kN OM3B	OM3 MaxCap® BB 300 50/125 MM	C31
10250403	1002391	6	UCFIBRE I/O CT LSHF 2.0kN OM3B	OM3 MaxCap® BB 300 50/125 MM	C31
10250404	1002402	8	UCFIBRE I/O CT LSHF 2.0kN OM3B	OM3 MaxCap® BB 300 50/125 MM	C31
10250406	1002403	12	UCFIBRE I/O CT LSHF 2.0kN OM3B	OM3 MaxCap® BB 300 50/125 MM	C31
10250407	n/a	16	UCFIBRE I/O CT LSHF 2.0kN OM3B	OM3 MaxCap® BB 300 50/125 MM	C31
10250408	1008125	24	UCFIBRE I/O CT LSHF 2.0kN OM3B	OM3 MaxCap® BB 300 50/125 MM	C31
10250502	1002414	4	UCFIBRE I/O CT LSHF 2.0kN OM4B	OM4 MaxCap® BB 50/125 MM	C32
10250503	1002420	6	UCFIBRE I/O CT LSHF 2.0kN OM4B	OM4 MaxCap® BB 50/125 MM	C32
10250504	1002422	8	UCFIBRE I/O CT LSHF 2.0kN OM4B	OM4 MaxCap® BB 50/125 MM	C32
10250506	1002411	12	UCFIBRE I/O CT LSHF 2.0kN OM4B	OM4 MaxCap® BB 50/125 MM	C32
10250507	n/a	16	UCFIBRE I/O CT LSHF 2.0kN OM4B	OM4 MaxCap® BB 50/125 MM	C32
10250508	1008122	24	UCFIBRE I/O CT LSHF 2.0kN OM4B	OM4 MaxCap® BB 50/125 MM	C32
10250E02	n/a	4	UCFIBRE I/O CT LSHF 2.0kN OM5	OM5 WIDE CAP 50/125 MM	C39
10250E03	n/a	6	UCFIBRE I/O CT LSHF 2.0kN OM5	OM5 WIDE CAP 50/125 MM	C39
10250E04	n/a	8	UCFIBRE I/O CT LSHF 2.0kN OM5	OM5 WIDE CAP 50/125 MM	C39
10250E06	n/a	12	UCFIBRE I/O CT LSHF 2.0kN OM5	OM5 WIDE CAP 50/125 MM	C39
10250E07	n/a	16	UCFIBRE I/O CT LSHF 2.0kN OM5	OM5 WIDE CAP 50/125 MM	C39
10250E08	n/a	24	UCFIBRE I/O CT LSHF 2.0kN OM5	OM5 WIDE CAP 50/125 MM	C39
10250602	1002399	4	UCFIBRE I/O CT LSHF 2.0kN SM7A1	OS2 SM G657A1	C17
10250603	1002405	6	UCFIBRE I/O CT LSHF 2.0kN SM7A1	OS2 SM G657A1	C17
10250604	1002400	8	UCFIBRE I/O CT LSHF 2.0kN SM7A1	OS2 SM G657A1	C17
10250606	1004740	12	UCFIBRE I/O CT LSHF 2.0kN SM7A1	OS2 SM G657A1	C17
10250607	n/a	16	UCFIBRE I/O CT LSHF 2.0kN SM7A1	OS2 SM G657A1	C17
10250608	1008124	24	UCFIBRE I/O CT LSHF 2.0kN SM7A1	OS2 SM G657A1	C17

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No. Card: PI_10250XYZ_01.24

Performance/Variants

BKT Index	Draka DoP No	Fibers No	Product Description	Fibre Type	Fibre Data sheet
10250702	1004769	4	UCFIBRE I/O CT LSHF 2.0kN SMA2B	OS2 BendBright G657.A2	C24
10250703	n/a	6	UCFIBRE I/O CT LSHF 2.0kN SMA2B	OS2 BendBright G657.A2	C24
10250704	n/a	8	UCFIBRE I/O CT LSHF 2.0kN SMA2B	OS2 BendBright G657.A2	C24
10250706	1004830	12	UCFIBRE I/O CT LSHF 2.0kN SMA2B	OS2 BendBright G657.A2	C24
10250707	n/a	16	UCFIBRE I/O CT LSHF 2.0kN SMA2B	OS2 BendBright G657.A2	C24
10250708	1008175	24	UCFIBRE I/O CT LSHF 2.0kN SMA2B	OS2 BendBright G657.A2	C24
10250202	1002399	4	UCFIBRE I/O CT LSHF 2.0kN MM61	OM1 62.5/125 MM	C02
10250203	1002405	6	UCFIBRE I/O CT LSHF 2.0kN MM61	OM1 62.5/125 MM	C02
10250204	1002400	8	UCFIBRE I/O CT LSHF 2.0kN MM61	OM1 62.5/125 MM	C02
10250206	1004740	12	UCFIBRE I/O CT LSHF 2.0kN MM61	OM1 62.5/125 MM	C02
10250207	n/a	16	UCFIBRE I/O CT LSHF 2.0kN MM61	OM1 62.5/125 MM	C02
10250208	1008124	24	UCFIBRE I/O CT LSHF 2.0kN MM61	OM1 62.5/125 MM	C02

DoP documents per product code proves CPR approval for the cable. DoP files can be downloaded from the website: www.prysmiangroup.com/cpr