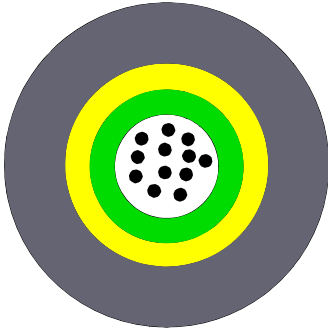


E05a: UC^{FIBRE™} indoor central tube cable

1000N central tube cable w. 2 – 24 fibres, aramid yarns and FireRes[®] LSHF-FR sheath. VDE: J-D(ZN)H



Application and installation

This cable can be used for LAN backbones, where an IEC 60332-3-24 (IEC 60332-3C) fire test is requested, and rodent protection is not an issue.

The cable can be installed on trays and in ducts.

Standards

EN 187 000, IEC 60794-2, IEC 60794-2-20, IEC 60794-2-21, ISO 11801 2nd edition, EN 50 173-1

Flame resistance

IEC 60332-1-2, IEC 60332-3-24 = IEC 332-3C, IEC 60754-1, IEC 60754-2, IEC 61034-2

Construction

Loose tube	ø2.8 mm jelly filled loose tube with 2 – 16 fibres; ø3.5 mm loose tube with 24 fibres		
Fibre colour code	1	Red	13 Yellow w/mark per 70 mm
	2	Green	14 White w/mark per 70 mm
	3	Blue	15 Grey w/mark per 70 mm
	4	Yellow	16 Turquoise w/mark per 70 mm
	5	White	17 Orange w/mark per 70 mm
	6	Grey	18 Pink w/mark per 70 mm
	7	Brown	19 Yellow w/mark every 35 mm
	8	Violet	20 White w/mark every 35 mm
	9	Turquoise	21 Grey w/mark every 35 mm
	10	Black	22 Turquoise w/mark every 35 mm
	11	Orange	23 Orange w/mark every 35 mm
	12	Pink	24 Pink w/mark every 35 mm
Strength member	High modulus aramid yarns		
Sheath	1.5 mm grey FireRes [®] sheath, UV stabilised, EN 50290-2-27		
Sheath marking	Draka UC FIBRE I CT N LSHF-FR 1.0 kN <Fibre count> <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> J-D(ZN)H <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>		

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Physial properties

Attribute	IEC 60794-1-2 Method	Limits
Nominal outer diameter	-	2 - 16 fibres: 6 mm 18 - 24 fibres: 6.5 mm
Nominal weight	-	2 - 16 fibres: 35 kg/km 18 - 24 fibres: 45 kg/km
Tensile strength (dynamic)	E1	1000 N
Tensile strength (permanent)	E1	500 N
Compressive strength (crush)	E3	1500N
Torsion	E7	5 cycles ± 1 turn
Kink	E10	The cables do not form a kink when a loop is drawn together to a diameter 12 times the cable nominal diameter
Min. Bending radius	E11	R = 100 mm
Temperature range	F1	Storage and installation: -20°C to +55°C Operation: -5°C to +40°C The max. attenuation variation in the operational temperature range is: For M6 and M5 fibres: 0.5 dB/km For SM fibres: 0.2 dB/km
Heat of combustion	-	2- 16 fibres: 650 MJ/km = 0.18 kWh/m 24 fibres: 820 MJ/km = 0.23 kWh/m

[PRODUCT CODE TABLE]