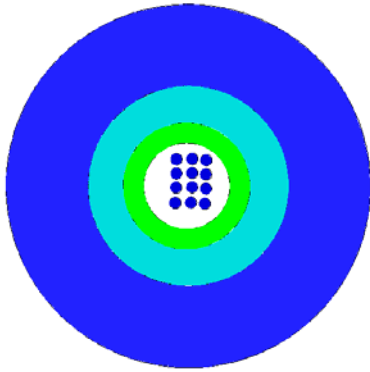


UC^{FIBRE} I/O CT D DA LSHF 3.0 kN

Central tube, 2 – 24 fibres, rodent protection, FireBur[®] sheath, IEC 60332-1



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[®] LSOH sheathing this cable is ideal for mixed indoor and outdoor installation. This cable features a very high tensile strength and a degree of rodent protection, effective in most cases. It is equally suited for installation in ducts and on trays. The cable is well suited for direct burial with proper sand back filling.

Standards

ISO 11801 2nd edition
EN 50173-1:2002
IEC 60794-1

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	Waterblocked E-Glass fibre elements			
Sheath	1.8 mm blue FireBur [®] sheath, UV stabilised, IEC 50290-2-27			

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Fire rating

IEC 60332-1-2	Single vertical wire test,
IEC 60754-1	No halogens
IEC 60754-2	No acid matters
IEC 61034-2	No dense smoke

Heat of combustion

2-16 fibres	1300 MJ/km	0.36 kWh/m
24 fibres	1460 MJ/km	0.41kWh/km

Physical properties

IEC 60794-1-2

Nominal outer diameter	-	2 - 16 fibres: 9.0 mm 18 - 24 fibres: 9.5 mm
Nominal weight	-	2 - 16 fibres: 80 kg/km 18 - 24 fibres: 85 kg/km
Maximum installation tensile strength	E1	3000 N (fibre strain less than 1/2 of proof test level)
Short term tensile strength	E1	2000 N (fibre strain less than 1/3 of proof test level)
Permanent tensile strength	E1	1000 N (no attenuation change; fibre strain less than 1/4 of proof test level)
Compressive strength (crush)	E3	3000N
Impact	E4	25 Nm (no attenuation change, no broken cable elements)
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 200 mm
Min. Bending radius, unloaded	E11	R = 100 mm
Min. Bending radius, loaded	-	R = 100 mm
Temperature range	F1	Storage: -40°C to +60°C (short term up to 70 °C) Installation: -15°C to +40°C Operation: -40°C to +70°C
Water penetration	F5B	No water on free end

Product codes – ordering information

Product code	Fibre count	Fibre type	Fibre data sheet
1017197	6	OM2 50/125 multi mode	C01a
1017198	12	OM2 50/125 multi mode	C01a
1017199	12	OS2 Single mode	C03e
1017200	24	OS2 Single mode	C03e