

UC^{FIBRE} O CT D DA PE 1.5 kN

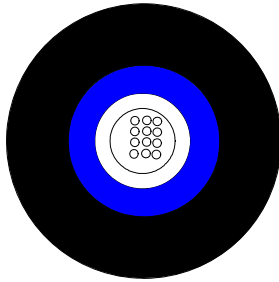
Central tube, 2 – 24 fibres, LLDPE sheath

DIN/VDE A-DQ(ZN)B2Y

NO QXAE-O/DT-JS/W

FR

DK GARPE 5



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 LLDPE sheathing this cable is ideal for outdoor installation where the installation conditions are not too difficult.

The cable features a high tensile strength and a degree of rodent protection, effective in many cases.

It is equally suited for installation in ducts and on trays. The cable is ideal for installation in tubes by blowing and flooding.

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	1.2 mm black LLDPE sheath, IEC 60811, IEC 60708			

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Fire rating

None

Physical properties

IEC 60794-1

Nominal outer diameter	-	2 - 16 fibres: 6.5 mm 24 fibres: 7.0 mm
Nominal weight	-	2 - 16 fibres: 40 kg/km 24 fibres: 45 kg/km
Maximum installation tensile strength	E1	1500 N (fibre strain less than 1/2 of proof test level).
Tensile strength (dynamic)	E1	1000 N (fibre strain less than 1/3 of proof test level).
Tensile strength (permanent)	E1	750 N (no attenuation change; fibre strain less than 1/4 of proof test level).
Compressive strength (crush)	E3	2000N
Impact	E7	20 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 = 60 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: -30°C to +60°C
Water penetration	F5B	No water on free end

Product codes – ordering information

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet
1017016	4	UCFIBRE O CT D DA PE 1.5kN 4 MM52	OM2 50/125 multi mode 600/1200	C01a
1017020	8	UCFIBRE O CT D DA PE 1.5kN 8 MM52	OM2 50/125 multi mode 600/1200	C01a
1017022	12	UCFIBRE O CT D DA PE 1.5kN 12 MM52	OM2 50/125 multi mode 600/1200	C01a
1017538	16	UCFIBRE O CT D DA PE 1.5kN 16 MM52	OM2 50/125 multi mode 600/1200	C01a
1017025	24	UCFIBRE O CT D DA PE 1.5kN 24 MM52	OM2 50/125 multi mode 600/1200	C01a
1017017	4	UCFIBRE O CT D DA PE 1.5kN 4 MM61	OM1 62.5/125 multi mode	C02
1017018	6	UCFIBRE O CT D DA PE 1.5kN 6 MM61	OM1 62.5/125 multi mode	C02
1017441	8	UCFIBRE O CT D DA PE 1.5kN 8 MM61	OM1 62.5/125 multi mode	C02
1017023	12	UCFIBRE O CT D DA PE 1.5kN 12 MM61	OM1 62.5/125 multi mode	C02
1017537	4	UCFIBRE O CT D DA PE 1.5kN 4 SM2D	OS2 Single mode	C03e
1017019	6	UCFIBRE O CT D DA PE 1.5kN 6 SM2D	OS2 Single mode	C03e
1017021	8	UCFIBRE O CT D DA PE 1.5kN 8 SM2D	OS2 Single mode	C03e
1017024	12	UCFIBRE O CT D DA PE 1.5kN 12 SM2D	OS2 Single mode	C03e
1017539	16	UCFIBRE O CT D DA PE 1.5kN 16 SM2D	OS2 Single mode	C03e
1017026	24	UCFIBRE O CT D DA PE 1.5kN 24 SM2D	OS2 Single mode	C03e