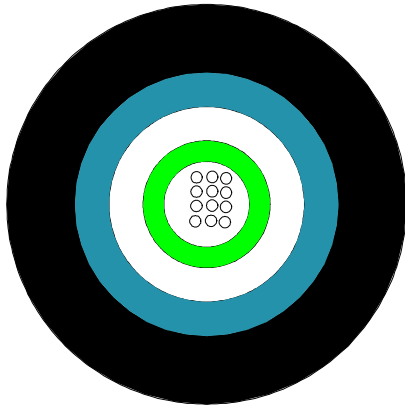


UC^{FIBRE} OCTDMA PE 1.0 kN

Central tube, 2 – 24 fibres, steel armouring, MDPE sheath



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 MDPE sheathing this cable is ideal for outdoor installation. The cable, having a corrugated steel tape armouring is rodent proof. The cable is well suited for installation in ducts and on trays. The cable is excellent 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	E-Glass yarns		
Armouring	0.15 mm corrugated steel tape		
Sheath	1.5 mm black MDPE sheath, IEC 60811, IEC 60708		

UC^{FIBRE} OCT D MA PE 1.0 kN

Fire rating

None

Physical properties

IEC 60794-1

Nominal outer diameter	-	2 - 16 fibres: 8.5 mm 18 - 24 fibres: 9.5 mm
Nominal weight	-	2 - 16 fibres: 75 kg/km 18 - 24 fibres: 80 kg/km
Tensile strength (dynamic)	E1	1000 N
Tensile strength (permanent)	E1	500 N
Compressive strength (crush)	E3	2000N
Impact	E4	10 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	E11	R = 55 mm
Min. Bending radius, loaded	-	R = 110 mm
Temperature range	F1	Storage and installation: -40°C to +70°C Operation: -40°C to +70°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.

Product codes – ordering information

Product code	Fibre count	Fibre type	Fibre data sheet
1016979	4	OM2 50/125 multi mode	C01a
1016980	4	OM1 62.5/125 multi mode	C02
1016981	6	OM2 50/125 multi mode	C01a
1016982	6	OM1 62.5/125 multi mode	C02
1016983	6	OS2 Single mode	C03e
1016984	8	OM2 50/125 multi mode	C01a
1016985	8	OM1 62.5/125 multi mode	C02
1016986	8	OS2 Single mode	C03e
1016987	12	OM2 50/125 multi mode	C01a
1016988	12	OM1 62.5/125 multi mode	C02
1016989	12	OS2 Single mode	C03e
1016990	24	OS2 Single mode	C03e