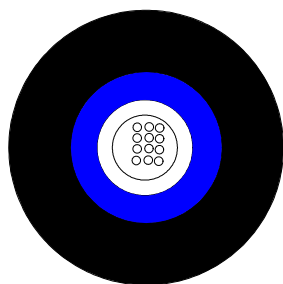


Outdoor central tube cable

Central tube cable w. up to 24 fibres, glass elements and LLDPE sheath



Application and installation

This cable can be used for FTTH access and drop lines, and is suitable for installation in ducts and directly buried. Suitable for direct burial by ploughing in Finland. Crew friendly installation.

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 every 70 mm
	2	Green	14	White w/mark every 70 mm
	3	Blue	15	Grey w/mark every 70 mm
	4	Yellow	16	Turquoise w/mark every 70 mm
	5	White	17	Orange w/mark every 70 mm
	6	Grey	18	Pink w/mark every 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 black LLDPE sheath, IEC 60811, IEC 60708			
Sheath marking	TBC			

Outdoor central tube cable

Physical properties

IEC 60794-1

Property	Test method	Value
Nominal outer diameter	-	2 - 16 fibres: 9.0 mm 18 - 24 fibres: 9.5 mm
Nominal weight	-	2 - 16 fibres: 70 kg/km 18 - 24 fibres: 75 kg/km
Maximum installation tensile strength	E1	3500 N (fibre strain less than 0,60 %, $\Delta\alpha$ reversible)
Operational tensile strength	E1	2000 N (fibre strain less than 0,25 % $\Delta\alpha \leq 0.05$ dB)
Compressive strength (crush)	E3	4000 N (15 minutes, 3 times $\Delta\alpha \leq 0.05$ dB during the test)
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

Prysmian group material code	Prysmian Group material description	Draka Material code	Fibre count	Fibre type	Fibre data sheet

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