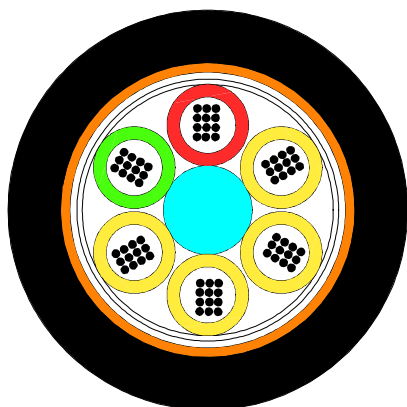


H06a: UC^{FIBRE™} Outdoor stranded loose tube cable

Stranded loose tube cable with 12 – 312 fibres, aramid yarn reinforcement and PE sheath. VDE: A-DQ(ZN)2Y



Application and installation

Outdoor data and telecommunication trunk lines
Suited for duct installation

Standards

EN 187 000, IEC 60794-3, IEC 60794-3-10, IEC 60794-3-12, ISO 11801 2nd edition, EN 50173-1:2002

Options

As standard this cable is provided with 12 fibres per tube, as an option other lower fibre counts are possible

Construction

Central strength member	ø2.5 mm FRP rod	
Fibre colour code	1 Red	7 Brown
	2 Green	8 Violet
	3 Blue	9 Turquoise
	4 Yellow	10 Black
	5 White	11 Orange
	6 Grey	12 Pink
Loose tube	Ø2.3 mm loose tubes with jelly filling, with 12 fibres in each	
Stranding	Up to 14 tubes in one layer and up to 26 tubes in two layers	
Wrapping	Polyester foil and swellable tape for waterblocking	
Reinforcement	Aramid	
Ripcord	Polyester	
Sheath	1.5 mm black MDPE IEC 60811, IEC 60708	
Sheath marking	Draka UC ^{FIBRE} O ST D PE 2.8 kN <Fibre count> <Fibre type><Fibre brand> <Item no>05<Batch Number><Meter mark> A-DQ(ZN)2Y >Number of Elements> x <Fibre count per element> <Fibre family> <Mode field diameter> /125 <Transmission Class>	

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Physical properties

Attribute	IEC 60794-1-2 Method	Limits							
Fibre count	-	72	96	120	144	168	216	264	312
Nominal diameter [mm]	-	10.5	12.0	13.5	15.0	16.5	15.0	17.0	18.5
Nominal weight [kg/km]	-	90	115	145	180	215	180	230	290
Short term tensile strength (some days) [N]	E1	2800							
Permanent tensile strength [N]	E1	1600							
Crush (compressive strength) [N/100 mm]	E3	3000							
Impact [J]	E4	20							
Torsion	E7	5 cycles \pm 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							
Minimum bending radius [mm]	E11	210	240	270	300	330	330	340	370
Temperature range	F1	Operation *) and Installation -40 °C to 70 °C Storage -40 °C to 70 °C							
Water penetration	F5	No water on free end							

*) The cable can bear temperature cycling between -40 °C to 70 °C. The cable will operate without any attenuation variation (<0.05 dB) in the temperature range -30 °C to 60 °C. The cable will operate with a maximum attenuation variation of ± 0.1 dB/km in the interval -40 °C to 70 °C

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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