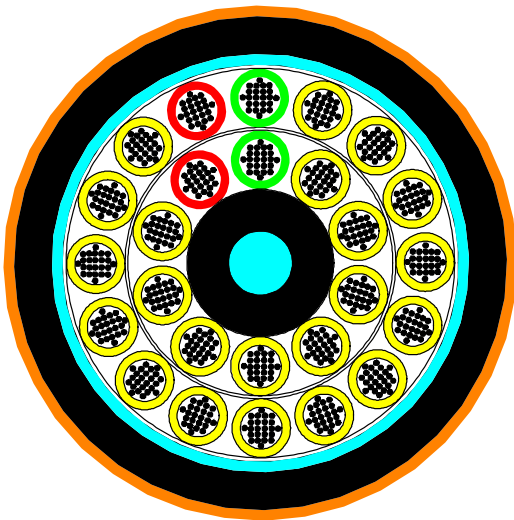


G05a: UC^{FIBRE™} Outdoor stranded loose tube cable

Stranded loose tube with 24 fibres per tube and up to 864 fibres, yarn reinforcement, black PE sheath and orange PA over sheath. VDE A-DQ(ZN) 2Y 4Y



Application and installation

This ultra-high fibre count cable is suitable for connecting large scale data centres, campus backbones and for telecom networks.

The low friction coefficient of the PA surface gives greatly improved flooding distances during flooding of cables into ducts. In addition improved blowing distances are obtained.

The hard surface of the PA 12 jacket gives the cable a degree of rodent protection, effective in many cases. PA 12 is halogen free.

Standards

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

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Construction

Central strength member	Ø 3.0 mm FRP rod		
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
Loose tube	Ø 2.8 mm jelly filled loose tubes, with 24 fibres each, up to 36 tubes in 3 layers, for lay-up refer to B04		
Water blocking	The core is completely filled with a synthetic filling compound, IEC 60811-5-1		
Wrapping	Tape		
Reinforcement	Layer of glass fibre roving		
Ripcord	Polyester ripcord for easy slitting the sheath		
Sheath	1.5 mm black MDPE, IEC 60811, IEC 60708		
Oversheath	0.5 mm orange PA 12		
Sheath marking	Draka UC ^{FIBRE} O ST D DA PE PA 8.5 kN <Fibre count><Fibre type><Fibre brand> <Item No>05<Batch Number><Meter mark> A- DQ (ZN) 2Y 4Y <Number of Elements> x <Fibre count per element> <Fibre family> <Mode field diameter> /125 <Transmission Class>		

G05a: UC^{FIBRE™} Outdoor stranded loose tube cable

Physical properties

Attribute	Method IEC 60794-1-2	Limits							
Fibre count	-	144	192	240	288	432	528	624	864
Nominal diameter [mm]	-	14	16	18	20	20	22	25	27
Nominal weight [kg/km]	-	180	204	228	252	252	276	312	400
Short term tensile strength (some days) [N]	E1	>8.5 kN							
Permanent tensile strength [N]	E1	>5 kN							
Crush (compressive strength) [N/100 mm]	E3	3000 N							
Impact	E4	15 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 12 times the cable nominal diameter							
Minimum bending radius [mm]	E11	160	210	260	320	320	380	490	588
Temperature range	F1	Operation and installation				-25 °C to 60 °C			
		Storage				-40 °C to 60 °C			
Water penetration	F5	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
60020809	UC ^{FIBRE} O ST D DA PE PA 8 kN 144 SM2D	1024095	144	OS2 Single mode G652.D	C06e

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