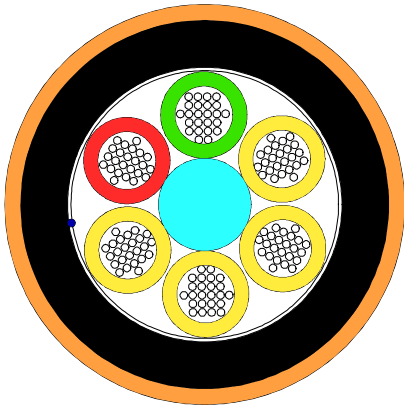


G07d: UC^{FIBRE™} Outdoor stranded loose tube cable

Stranded loose tube cable with up to 288 fibres, 24 fibres per tube; black PE sheath; orange PA overshath. VDE: A-DQ 2Y 4Y



Application and Installation

Ultra compact medium fibre count optical cable with up to 288 fibres

This cable is suitable for outdoor data communication connections, telecom trunk lines, telecom access and distribution lines and CATV trunk lines

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 50 173-1

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

G07d: UC^{FIBRE™} Outdoor stranded loose tube cable

Loose tube	Ø 2.8 mm jelly filled loose tubes, with 24 fibres each, up to 12 tubes.
Water blocking	The core is water blocked using swellable tape and yarns
Wrapping	Swellable tape
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 3.0 kN <Fibre count> <Fibre type><Fibre brand> <Item No>05<Batch Number><Meter mark> A- DQ 2Y4Y <Number of Elements> x <Fibre count per element><Fibre family> <Mode field diameter> /125 <Transmission Class>

Physical properties

Attribute	IEC 60794-1-2 Method	Limits			
Fibre count	-	144	192	240	288
Nominal diameter [mm]	-	13	15	17	19
Nominal weight [kg/km]	-	140	190	230	290
Short term tensile strength (some days) [N]	E1	3000 N			
Permanent tensile strength [N]	E1	2000 N			
Crush (compressive strength) [N/100 mm]	E3	3000N			
Impact [J]	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	180	205	240
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
60031192	UC ^{FIBRE} O ST D DA PE PA 3.0 kN 6x24 SM2D		144	OS2 Single mode G652.D	C06e
60040345	UC ^{FIBRE} O ST D DA PE PA 3.0 kN 8x24 SM2D		192	OS2 Single mode G652.D	C06e
60020791	UC ^{FIBRE} O ST D DA PE PA 3.0 kN 12x24 SM2D	1022050	288	OS2 Single mode G652.D	C06e

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