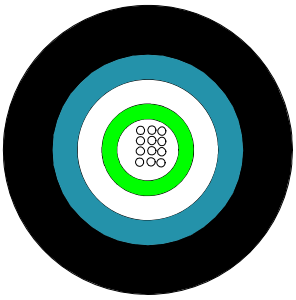
UC$^{FIBRE™}$ O CT N MA PE 1.0 kN

Central tube cable w. 2 – 24 fibres, glass yarns, steel armouring and PE sheath

DIN/VDE	NO	FR	DK
A-D(ZN)(SR)2Y	QANE	COUTER	



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			

Note: The Draka policy of continuous improvement may cause in changed specifications without prior notice

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Fire rating

None

Physical properties

IEC 60794-1

Property	*Test method*	*Value*
Nominal outer diameter	-	2 - 16 fibres: 8.5 mm 18 - 24 fibres: 8.5 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.

Sheath marking

Draka UC^{FIBRE} O CT N MA PE 1.0 kN <Fibre count> <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> U-DQ(ZN)BH <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class> G <Fibre count> <Mode field diameter>/125 QANE

There is approximately 10cm space between the three blocks of text. Text string repeats every meter of the cable.

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Product codes – ordering information

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet
1018673	4	UC^{FIBRE} O CT N MA PE 1.0kN 4 MM51	OM2 50/125 multi mode 500/500	C23
1018674	6	UC^{FIBRE} O CT N MA PE 1.0kN 6 MM51	OM2 50/125 multi mode 500/500	C23
1018675	8	UC^{FIBRE} O CT N MA PE 1.0kN 8 MM51	OM2 50/125 multi mode 500/500	C23
1018676	12	UC^{FIBRE} O CT N MA PE 1.0kN 12 MM51	OM2 50/125 multi mode 500/500	C23
1018678	24	UC^{FIBRE} O CT N MA PE 1.0kN 24 MM51	OM2 50/125 multi mode 500/500	C23
1018235	4	UC^{FIBRE} O CT N MA PE 1.0kN 4 OM3B	MaxCap-BB-OM3	C31
1022779	6	UC^{FIBRE} O CT N MA PE 1.0kN 6 OM3B	MaxCap-BB-OM3	C31
1021625	8	UC^{FIBRE} O CT N MA PE 1.0kN 8 OM3B	MaxCap-BB-OM3	C31
1020889	12	UC^{FIBRE} O CT N MA PE 1.0kN 12 OM3B	MaxCap-BB-OM3	C31
1021627	16	UC^{FIBRE} O CT N MA PE 1.0kN 16 OM3B	MaxCap-BB-OM3	C31
1021628	24	UC^{FIBRE} O CT N MA PE 1.0kN 24 OM3B	MaxCap-BB-OM3	C31
1016980	4	UC^{FIBRE} O CT N MA PE 1.0kN 4 MM61	OM1 62.5/125 multi mode	C02
1016982	6	UC^{FIBRE} O CT N MA PE 1.0kN 6 MM61	OM1 62.5/125 multi mode	C02
1016985	8	UC^{FIBRE} O CT N MA PE 1.0kN 8 MM61	OM1 62.5/125 multi mode	C02
1016988	12	UC^{FIBRE} O CT N MA PE 1.0kN 12 MM61	OM1 62.5/125 multi mode	C02
1017853	16	UC^{FIBRE} O CT N MA PE 1.0kN 16 MM61	OM1 62.5/125 multi mode	C02
1017440	24	UC^{FIBRE} O CT N MA PE 1.0kN 24 MM61	OM1 62.5/125 multi mode	C02
1016983	6	UC^{FIBRE} O CT N MA PE 1.0kN 6 SM2D	OS2 Single mode	C03e
1016986	8	UC^{FIBRE} O CT N MA PE 1.0kN 8 SM2D	OS2 Single mode	C03e
1016989	12	UC^{FIBRE} O CT N MA PE 1.0kN 12 SM2D	OS2 Single mode	C03e
1020193	16	UC^{FIBRE} O CT N MA PE 1.0kN 16 SM2D	OS2 Single mode	C03e
1016990	24	UC^{FIBRE} O CT N MA PE 1.0kN 24 SM2D	OS2 Single mode	C03e