



UC^{FIBRE™} OCT D DA PE 3.0 kN

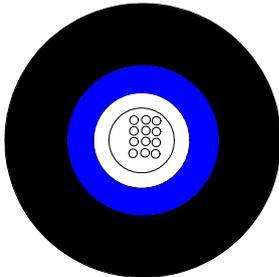
Central tube cable w. 2 – 24 fibres, glass elements and LLDPE sheath

DIN/VDE A-DQ(ZN)B2Y

NO

FR COU TEW

DK GARPE 4



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 LLDPE sheathing this cable is ideal for outdoor installation.

The cable features a very high tensile strength and a degree of rodent protection, effective in most cases.

It is equally suited for installation in ducts and on trays.

The cable is well suited for direct burial with proper sand back filling.

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			

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: 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	3000 N (fibre strain less than 1/2 of proof test level)
Short term tensile strength	E1	2000 N (fibre strain less than 1/3 of proof test level)
Permanent tensile strength	E1	1000 N (no attenuation change, fibre strain less than 1/4 of proof test level)
Compressive strength (crush)	E3	3000N
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

Sheath marking

Draka UC^{FIBRE} O CT D DA PE 3.0 kN <Fibre count> <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> A-DQ(ZN)B2Y <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>

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
	4	UC ^{FIBRE} O CT D DA PE 3.0kN 4 MM51	OM2 50/125 multi mode 500/500	C23
	6	UC ^{FIBRE} O CT D DA PE 3.0kN 6 MM51	OM2 50/125 multi mode 500/500	C23
1024253	8	UC ^{FIBRE} O CT D DA PE 3.0kN 8 MM51	OM2 50/125 multi mode 500/500	C23
	12	UC ^{FIBRE} O CT D DA PE 3.0kN 12 MM51	OM2 50/125 multi mode 500/500	C23
1021547	24	UC ^{FIBRE} O CT D DA PE 3.0kN 24 MM51	OM2 50/125 multi mode 500/500	C23
1018632	12	UC ^{FIBRE} O CT D DA PE 3.0kN 12 MM53	MaxCap-BB-OM3	C32
1018633	24	UC ^{FIBRE} O CT D DA PE 3.0kN 24 MM53	MaxCap-BB-OM3	C32
1017176	4	UC ^{FIBRE} O CT D DA PE 3.0kN 4 MM61	OM1 62.5/125 multi mode	C02
1018630	6	UC ^{FIBRE} O CT D DA PE 3.0kN 6 MM61	OM1 62.5/125 multi mode	C02
1017177	8	UC ^{FIBRE} O CT D DA PE 3.0kN 8 MM61	OM1 62.5/125 multi mode	C02
1017179	12	UC ^{FIBRE} O CT D DA PE 3.0kN 12 MM61	OM1 62.5/125 multi mode	C02
1017445	24	UC ^{FIBRE} O CT D DA PE 3.0kN 24 MM61	OM1 62.5/125 multi mode	C02
1018628	4	UC ^{FIBRE} O CT D DA PE 3.0kN 4 SM2D	OS2 Single mode	C03e
1018631	6	UC ^{FIBRE} O CT D DA PE 3.0kN 6 SM2D	OS2 Single mode	C03e
1017443	8	UC ^{FIBRE} O CT D DA PE 3.0kN 8 SM2D	OS2 Single mode	C03e
1017180	12	UC ^{FIBRE} O CT D DA PE 3.0kN 12 SM2D	OS2 Single mode	C03e
1017446	24	UC ^{FIBRE} O CT D DA PE 3.0kN 24 SM2D	OS2 Single mode	C03e

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