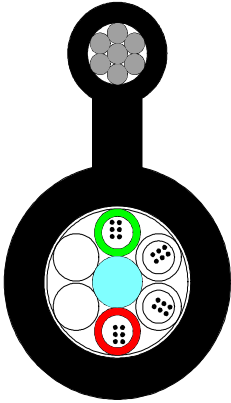


005a: UC^{FIBRE™} Aerial fig-8

Self-supporting aerial cable, in figure 8 design, 2 – 48 fibres.
VDE: A-DF2Y



Application and installation

Telecom trunk and access lines, CATV trunk lines or data communication connections

The cable may be installed on poles with a span length of from 50 m to 100 m, depending on climatic conditions.

Standards

IEC 60794-3, IEC 60794-3-20, IEC 60794-4, ISO 11801 2nd edition, EN 50173-1:2002

General

This cable can be used for spans of up to 100 m depending of the loading conditions

Construction

Suspension strand	7 x 1 mm galvanised steel strand, with covering to \varnothing 4.8 mm		
Web	Nominally: H: 3 mm W: 2 mm		
Central strength member	\varnothing 2.5 mm FRP rod		
Loose tube	\varnothing 2.3 mm loose tubes with 2 – 8 fibre		
Fibre colour code	1 Red	5	White
	2 Green	6	Grey
	3 Blue	7	Brown
	4 Yellow	8	Violet
Water blocking	Jelly filling		
Wrapping	Polyester tape		
Sheath	2.0 mm black MDPE, IEC 60811, IEC 60708		
Sheath Legend	Draka UC ^{FIBRE} Areal fig-8 <Fibre count><Fibre type><Fibre brand> <Item No>05<Batch Number><Meter mark> A-DF2Y <Number of Elements> x <Fibre count per element> <Fibre family> <Mode field diameter> /125 <Transmission Class>		

005a: UC^{FIBRE™} Aerial fig-8

Physical properties

Attribute	IEC 60794-1-2 Method	Limits
Nominal outer diameter cable	-	11.5 mm
Nominal height of cable	-	20 mm
Nominal weight	-	190 kg/km
Tensile strength (dynamic)	E1	>10 kN
Tensile strength (permanent)	E1	6 kN
Compressive strength (crush)	E3	3000N
Impact	E4	20 Nm
Min. Bending radius	E11	R = 230 mm
Temperature range	F1	-40°C to +70°C
Water penetration	F5	No water on free end
Nominal EA	-	1300 kN
Coefficient of linear expansion	-	15 mm/km/°C
Maximum span length	-	100 m

Stringing and loading data

Span [m]	50	80	100
Initial sag (2 % of span length) [m]	1.0	1.6	2.0
Nominal stringing force [kN]	0.5	0.8	1.0
Conditions at an external load of 20 N/m (ice or wind):			
Cable sag [m]	1.8	3.3	4.3
Cable tension [kN]	3.7	5.3	6.2
Cable strain [%]	0.3	0.4	0.5
Fibre strain [%]	0.0	0.0	0.0
Conditions at an external load of 30 N/m (ice or wind):			
Cable sag [m]	2.0	-	-
Cable tension [kN]	4.8	-	-
Cable strain [%]	0.4	-	-
Fibre strain [%]	0.0	-	-
Conditions at an external load of 40 N/m (ice or wind):			
Cable sag [m]	2.2	-	-
Cable tension [kN]	5.9	-	-
Cable strain [%]	0.5	-	-
Fibre strain [%]	0.0	-	-

005a: UC^{FIBRE™} Aerial fig-8

Product codes – ordering information

Prysmian group material code	Prysmian Group material description	Draka Material code	Fibre count	Fibre type	Fibre data sheet
60019981	UC ^{FIBRE} Aerial fig-8 1x6 OM2B	1026414	6	MaxCap-BB-OM2	C34
60032487	UC ^{FIBRE} Aerial fig-8 1x8 OM2B		8	MaxCap-BB-OM2	C34
60019833	UC ^{FIBRE} Aerial fig-8 2x8 OM2B	1025730	16	MaxCap-BB-OM2	C34
60031420	UC ^{FIBRE} Aerial fig-8 2x6 MM61		12	OM1 62.5/125 multimode	C02
60019639	UC ^{FIBRE} Aerial fig-8 3x8 MM61	1024163	24	OM1 62.5/125 multimode	C02
60039924	UC ^{FIBRE} Aerial fig-8 1x4 SM2D		4	OS2 Singlemode G.652.D	C06e
60027065	UC ^{FIBRE} Aerial fig-8 1x6 SM2D		6	OS2 Singlemode G.652.D	C06e
60019770	UC ^{FIBRE} Aerial fig-8 1x8 SM2D	1025373	8	OS2 Singlemode G.652.D	C06e
60019832	UC ^{FIBRE} Aerial fig-8 2x6 SM2D	1025729	12	OS2 Singlemode G.652.D	C06e
60040878	UC ^{FIBRE} Aerial fig-8 2x8 SM2D		16	OS2 Singlemode G.652.D	C06e
60020118	UC ^{FIBRE} Aerial fig-8 3x8 SM2D	1026890	24	OS2 Singlemode G.652.D	C06e
60020052	UC ^{FIBRE} Aerial fig-8 4x6 SM2D	1026599	24	OS2 Singlemode G.652.D	C06e
60019980	UC ^{FIBRE} Aerial fig-8 6x8 SM2D	1026413	48	OS2 Singlemode G.652.D	C06e

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