

UC^{FIBRE™} Aerial fig-8

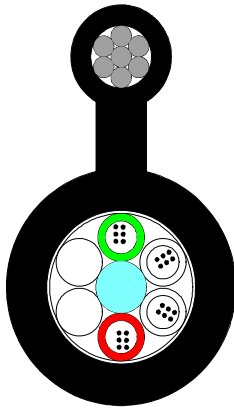
Self supporting aerial cable, in figure 8 design, 2 – 48 fibres

DIN/VDE A

NO

FR

DK = O05



Application and Installation

Telecom trunk and access lines

CATV trunk lines

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 ø4.8 mm			
Web	Nominally: H: 3 mm W: 2 mm			
Central strength member	Ø 2.5 mm FRP rod			
Loose tube	Ø 2.3 mm loose tubes with 2 – 8 fibre			
Fibre colour code	1	Red	4	Yellow
	2	Green	5	White
	3	Blue	6	Grey
Water blocking	Jelly filling			
Wrapping	Polyester tape			
Sheath	2.0 mm black MDPE, IEC 60811, IEC 60708			

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

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Physical properties

IEC 60974-1-2

Nominal outer diameter cable	-	11.5 mm
Nominal height of cable	-	20 mm
Nominal weight	-	190 kg/km
Min. Bending radius	E11	R = 230 mm
Tensile strength (dynamic)	E1	>10 kN
Tensile strength (permanent)	E1	6 kN
Compressive strength (crush)	E3	3000N
Impact	E4	20 Nm
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	-	-

Product codes – ordering information

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet

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