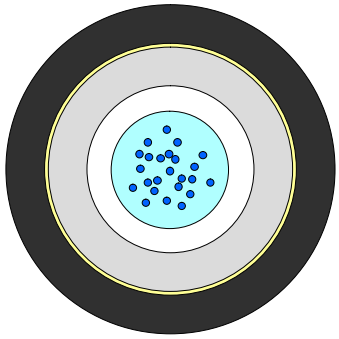
UC2000 CT-AL nG .. U-DQ(ZN)H 1000N

FO Cables with loose tube



Application

FO indoor/outdoor cables with central tubes are required for access networks. They are suitable for outdoor duct and indoor riser installation. The central loose tube design allows a thin and less expansive cable construction. The cable is UV resistant, non-metallic, rodent protected, halogen-free flame retardant, longitudinally watertight with tensile strengthening and therefore suitable for indoor riser installation as well as outdoor duct installation or direct burial.

Flame resistance

IEC 60332-1

Construction

Central tube	Filled tube with 4 upto 24 fibres, core dimensions 2.0/2.8 mm
Strength members	Longitudinal aramide strength members
Outer sheath	Flame retardant, halogen free outer sheath (FRNC), sheath colour orange for graded index fibres, yellow for single mode fibres.
Fibre colour code	fibre 1 – 12: red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange, pink fibre 13 – 18: yellow, white, grey, turquoise, orange, pink (with additional black marks 70 mm distance) fibre 19 – 24: yellow, white, grey, turquoise, orange, pink (with additional black marks 35 mm distance)
Core colour code	yellow 9/125, green 50/125, blue 62.5/125
Identification	white printing, **DRAKA COMTEQ UC2000 CT-A 12G 50/125 FRNC**

Mechanical properties

Temperature range	IEC 60794-1-2-F1	
	Operation	- 10° C to + 60° C
	Operation (Δα < 0.1 dB/km)	- 40° C to + 60° C
	Laying	- 15° C to + 60° C
	Transport/storage	- 40° C to + 60° C
Bending radius	during installation	20 x D (D = outer cable diameter)
	during operation	15 x D (D = outer cable diameter)
Tensile force	IEC 60794-1-2-E1	500 N (permanent)
Crush	IEC 60794-1-2-E3	2000 N
Impact	IEC 60794-1-2-E4	20 Nm
Longitudinal watertightness	IEC 60794-1-2-F5b	passed

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Technical Data

Product code	Fibres	Fibre type	Cable diameter mm	Weight kg/km	Standard delivery length m	Fire load MJ/km	Fire load kWh/m	Tensile force N
CL4204755	4	50/125	6.0	40	2000	730	0.202	1000
CL4206355	6	50/125						
CL4204855	8	50/125						
CL4204955	12	50/125						
CL4205055	24	50/125	6.5	45				
CL42…55	4	62.5/125	6.0	40				
CL4206555	6	62.5/125						
CL4205755	8	62.5/125						
CL42…55	12	62.5/125						
CL4206055	16	62.5/125						
CL42…55	24	62.5/125	6.5	45				
CL4206955	4	9/125	6.0	40				
CL4205855	8	9/125						
CL4206755	12	9/125						
CL4205955	24	9/125	6.5	45				