

Coax3 CT 33 A (3.45/14.9)

CATV Trunk Cable



Application

CATV cables are used in trunk lines of CATV and broadband networks between headend and subscriber termination point. They are suitable for direct buried and duct laying.

Standards

Screening Class A+ acc. to EN 50117-2-3 (Cenelec SC46XA), further EN 50083-2/A1, EN 50117-1

Flame resistance

IEC 60332-1 (not for cables with PE sheath)

Construction

Inner conductor	bare copper wire, diameter 3.45 mm
Insulation	gas injected foam PE, diameter 14.9 mm
Outer conductor	Cu-PET-Cu foil, longitudinal, under bare copper braid , optical coverage 60%, diameter 15.8 mm
Sheath	PE, 19.3 mm ± 0.5 mm black
Printing	DRAKA COMTEQ – COAX3 CT 33 A + meter marking + batch number

Mechanical properties

Minimum bending radius	without load	10 x D (D= outer diameter)
	with load	15 x D (D= outer diameter)
Temperature range	during operation	- 40° C to + 70° C
	during storage	- 40° C to + 70° C
	during installation	- 5° C to + 60° C

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Electrical properties

at 20°C

DC resistance	Inner conductor	2.0 Ω/km
	Outer conductor	3.4 Ω/km
Mutual capacitance		52 pF/m
Characteristic impedance		75 Ω ± 2 Ω
Velocity ratio		85 %
Screening factor	30 MHz – 1000 MHz	> 100 dB
Transfer impedance	5 MHz – 30 MHz	≤ 1 mΩ/m
Electrical strength	Dielectric	2 kV _{DC} 1 min
	Sheath	3.75 kV _{DC} 1 min

Electrical data

at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
	nominal		
5	0.4	5 – 30	> 26
50	1.0	30 – 470	> 26
100	1.8	470 – 1000	> 23
200	2.7		
400	4.0		
800	5.8		
862	6.0		
950	6.5		
1350	8.0		
1750	9.1		
2150	10.1		
3000	12.0		

Technical data

Product code	Cable type	Weight	Standard delivery length	Drum size	Copper content	Tensile force	Bending radius	Storage
		kg/km	m	*OWD		N	mm	
1002554 (old: CK2683100)	Coax3 CT 33 A PE bk	300	1000	1200/650 /750	172	750	195	outside
1002861 (old: CK2683110)	Coax3 CT 33 A PE green RAL 6016 fading out!	300	1000	1200/650 /750	172	750	195	outside

*OWD (Oneway drum)

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Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
Coax3 CT 33 A PE		60013775	60013775
Coax3 CT 33 A PE 1000DW	1002554-01000DW	60013775	60013776

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