



## 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	<b>DRAKA COMTEQ – COAX3 CT 33 A</b> + 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



## Coax3 CT 33 A (3.45/14.9)

### 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 <sub>DC</sub> 1 min
	Sheath	3.75 kV <sub>DC</sub> 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 kg/km	Standard delivery length m	Drum size *OWD	Copper content	Tensile force N	Bending radius mm	Storage
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 <b>fading out!</b>	300	1000	1200/650 /750	172	750	195	outside

\*OWD (Oneway drum)