

# Coax6 CT 15 A

## 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),  
Screening Class A acc. to EN 50117-2-1, EN 50117-2-2, EN 50117-2-4 and EN 50117-2-5,  
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 1.55 mm
Insulation		gas injected foam PE, diameter 7.25 mm
Outer conductor		Cu-PET-Cu foil, longitudinal, under bare copper braid, optical coverage 60%, diameter 8.2 mm
Sheath		PE, PVC or FRNC, diameter 10.1 mm ± 0.3 mm black or white
Printing	PE	<b>DRAKA</b> COAX6 CT 15 A PE - Class A DIN EN 50117-2-4 + batch number + meter marking
	PVC	<b>DRAKA</b> COAX6 CT 15 A PVC - Class A DIN EN 50117-2-4 + batch number + meter marking
	FRNC	<b>DRAKA</b> COAX6 CT 15 A FRNC - Class A DIN EN 50117-2-4 + batch number + meter marking

## Mechanical properties

Minimum bending radius	without load	7.5 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
Corrosivity	for cables with FRNC sheath	IEC 60754-2

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### Electrical properties

at 20°C

DC resistance	Inner conductor	9.4 Ω/km
	Outer conductor	6.2 Ω/km
Mutual capacitance		52 pF/m
Characteristic impedance		75 Ω ± 2 Ω
Velocity ratio		85 %
Screening factor	30 MHz – 1000 MHz	> 100 dB
	1000 MHz – 2000 MHz	> 95 dB
	2000 MHz – 3000 MHz	> 95 dB
Transfer impedance	5 MHz – 30 MHz	≤ 5 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	0.9	5 – 30	> 26
50	2.8	30 – 470	> 26
100	3.9	470 – 1000	> 24
200	5.7	1000 – 3000	> 20
400	8.3		
800	12.2		
862	12.7		
950	13.4		
1350	16.2		
1750	18.9		
2150	21.2		
3000	25.9		

### 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
1002566	Coax6 CT 15 A PE bk	89	1000	760/360/420	53.5	300	75	outside
1002567	Coax6 CT 15 A PVC bk	104	1000	760/360/420	53.5	300	75	inside
1002679	Coax6 CT 15 A FRNC wh	95	1000	760/360/420	53.5	300	75	inside

\*PWD (plywood drum)

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### Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
Coax6 CT 15 A PE		60013810	<b>60013810</b>
Coax6 CT 15 A PE 500DW	1002566-00500DW	60013810	<b>60013812</b>
Coax6 CT 15 A FRNC		60014733	<b>60014733</b>
Coax6 CT 15 A FRNC 500DW	1002679-00500DW	60014733	<b>60014884</b>

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