

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	DRAKA COAX6 CT 15 A PE - Class A DIN EN 50117-2-4 + batch number + meter marking
	PVC	DRAKA COAX6 CT 15 A PVC - Class A DIN EN 50117-2-4 + batch number + meter marking
	FRNC	DRAKA 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

Coax6 CT 15 A

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 _{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	0.9	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)

Coax6 CT 15 A

Product Code Table

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

© PRYSMIAN GROUP 2012, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.