

## Coax9 AD 11 A

### CATV Drop Cable



### Application

Drop cables are used in private and commercial TV signal distribution networks and as antenna cable for terrestrial and satellite broadcast systems.

### Standards

**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

### Construction

Inner conductor	bare copper wire, diameter 1.13 mm	
Insulation	gas injected foam PE, diameter 4.8 mm	
Outer conductor	Al-PET-Al foil, longitudinal, under tinned copper braid , optical coverage 70%, diameter 5.5 mm	
Sheath	PVC altern. FRNC, 6.8 mm ± 0.2 mm white	
Printing	PVC	<b>DRAKA</b> COAX9 AD 11 A PVC - Class A DIN EN 50117-2-4 + batch number + meter marking
	FRNC	<b>DRAKA</b> COAX9 AD 11 A FRNC - Class A DIN EN 50117-2-4 + batch number + meter marking

### Mechanical properties

Minimum bending radius	without load	5 x D ( D= outer diameter )
	with load	10 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	acc. to IEC 60754-2

## Coax9 AD 11 A

### Electrical properties

at 20°C

DC resistance	Inner conductor	19 Ω/km
	Outer conductor	12 Ω/km
Mutual capacitance		52 pF/m
Characteristic impedance		75 Ω ± 3.0 Ω
Velocity ratio		82 %
Screening factor	30 MHz – 1000 MHz	> 90 dB
	1000 MHz – 2000 MHz	> 85 dB
	2000 MHz – 3000 MHz	> 85 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	1.3	5 – 30	> 26
50	4.1	30 – 470	> 24
100	5.6	470 – 1000	> 20
200	8.2	1000 – 3000	> 18
400	11.8		
800	16.6		
862	17.1		
950	18.1		
1350	21.8		
1750	25.2		
2150	28.3		
3000	34.7		

### Technical data

Product code	Cable type	Weight kg/km	Standard delivery length m	Drum size *PWD	Copper content	Tensile force N	Bending radius mm	Storage
1002619	Coax9 AD 11 A PVC	47.2	1000	500/200/360	25.0	180	35	inside
1002621	Coax9 AD 11 A FRNC	43.3	1000	500/200/360	25.0	180	35	inside

\*PWD (plywood drum)

[PRODUCT CODE TABLE]

**Coax9 AD 11 A**

---

© 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.