

Coax11 AD 08 S

CATV Drop Cable

A
50117



FRNC jacket CPR class:

Eca
CPR

Application

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

PVC jacket: Nicht für feste Verlegung in Gebäuden geeignet

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

FRNC jacket: IEC 60332-1, CPR class Eca

Construction

Inner conductor	bare copper wire, diameter 0.8 mm
Insulation	gas injected foam PE, diameter 3.5 mm
Outer conductor	Al-PET foil, longitudinal, bonded to the insulation, under tinned copper braid , optical coverage 80%, + Al-PET foil longitudinal, bonded to the sheath, diameter 4.1 mm
Sheath	PVC altern. FRNC, diameter 5.1 mm ± 0.2 mm white or black
Printing	PVC DRAKA COAX11 AD 08 S PVC - Class A DIN EN 50117-2-4 + batch number + meter marking
	FRNC DRAKA COAX11 AD 08 S 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

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Electrical properties

at 20°C

DC resistance	Inner conductor	35 Ω/km
	Outer conductor	15 Ω/km
Mutual capacitance		52 pF/m
Characteristic impedance		75 Ω ± 3.0 Ω
Velocity ratio		82 %
Screening factor	30 MHz – 1000 MHz	> 110 dB
	1000 MHz – 2000 MHz	> 100 dB
	2000 MHz – 3000 MHz	> 100 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	1.9	5 – 30	> 26
50	5.7	30 – 470	> 24
100	7.8	470 – 1000	> 20
200	11.2	1000 – 3000	> 18
400	16.2		
800	22.6		
862	24.3		
950	25.1		
1350	31.0		
1750	36.3		
2150	41.3		
3000	48.8		

Technical data

Product code	Cable type	Weight	Standard delivery length	Drum size	Copper content	Tensile force	Bending radius	Storage
		kg/km	m	*PWD		N	mm	
1002549 CK2681300	Coax11 AD 08 S PVC	34	1000	400/120/3 30	18.1	95	25	inside
1002676 CK7681300	Coax11 AD 08 S FRNC	33	1000	400/120/3 30	18.1	95	25	inside
1012467	Coax11 AD 08 S PVC (without printing)	34	1000	400/120/3 30	18.1	95	25	inside

*PWD (plywood drum)

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Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
Coax11 AD 08 S PVC ws no printing		60013756	60013756
Coax11 AD 08 S PVC ws no printing 500DW	1012467-00500DW	60013756	60013758
Coax11 AD 08 S PVC ws no printing 1000DW	1012467-01000DW	60013756	60013760
Coax11 AD 08 S FRNC ws		60014730	60014730
Coax11 AD 08 S FRNC ws 500DW	1002676-00500DW	60014730	60014883

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