A brand of the

Prysmian Group

Coax15 AD 06 S
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 0.65 mm
Insulation	gas injected foam PE, diameter 2.9 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 3.6 mm
Sheath	PVC altern. FRNC, diameter 4.3 mm ± 0.2 mm black or white
Printing	**DRAKA** COMTEQ – **COAX15 AD 06 S** + meter marking + batch number

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

Coax15 AD 06 S

Electrical properties

DC resistance	Inner conductor	53 Ω/km
	Outer conductor	20 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

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
	nominal		
5	2.5	5 – 30	> 26
50	7.5	30 – 470	> 24
100	10.1	470 – 1000	> 20
200	13.9	1000 – 3000	> 18
400	20.1		
800	28.9		
862	30.0		
950	31.7		
1350	37.8		
1750	42.3		
2150	47.0		
3000	56.5		

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
1002552 (old: CK2681700)	Coax15 AD 06 S PVC **fading out!**	23.5	1000	400/120 /280	12.8	65	25	inside
1002553 (old: CK2681800)	Coax15 AD 06 S FRNC	22.2	1000	400/120 /280	12.8	65	25	inside

*PWD (plywood drum)

Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
Coax15 AD 06 S PVC		60013766	**60013766**
Coax15 AD 06 S FRNC		60013767	**60013767**
Coax15 AD 06 S FRNC 500DW	1002553-00500DW	60013767	**60013769**
Coax15 AD 06 S FRNC SW 500DW	1016620-00500DW	60026154	**60013770**