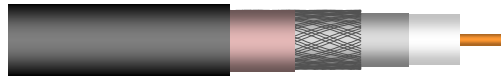


Coax6 AT 16 S A+

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, DIN EN 50117-2-4
further EN 50083-2/A1, EN 50117-1

Construction

Inner conductor	bare copper wire, diameter 1.61 mm
Insulation	gas injected foam PE, diameter 7.15 mm
Outer conductor	Al-PET-foil, longitudinal, bonded to the insulation, under tinned copper braid, optical coverage 70%, + Al-PET foil longitudinal, bonded to the jacket diameter 8.1 mm
Sheath	FRNC, diameter 10.2 mm ± 0.3 mm black
Printing	DRAKA COAX6 AT 16 S – FRNC Class A+ DIN EN 50117-2-4 KDG 1 TS 153 XXX MM YY+ batch number

XXX= meter marking
MM = month of production
YY = year of production

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

Coax6 AT 16 S A+

Electrical properties

at 20°C

DC resistance	Inner conductor	8.5 Ω/km
	Outer conductor	8.0 Ω/km
Mutual capacitance		53 pF/m
Characteristic impedance		75 Ω ± 2 Ω
Velocity ratio		84 %
Screening factor	30 MHz – 1000 MHz	> 115 dB
	1000 MHz – 2000 MHz	> 105 dB
	2000 MHz – 3000 MHz	> 105 dB
Transfer impedance	5 MHz – 30 MHz	≤ 2.5 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 *PWD	Copper content	Tensile force N	Bending radius mm	Storage
60045939	Coax6 AT 16 S	95	500	600/312/380	43	200	75	inside
60043631	Coax6 AT 16 S	95	1000	760/360/420	43	200	75	inside

*PWD (plywood drum)

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