



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	DRAKA COMTEQ – COAX6 CT 15 A + meter marking + batch number

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



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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
1002567 (old: CK2686101)	Coax6 CT 15 A PVC bk fading out!	110	1000	760/360/420	53.5	300	75	inside
1002566 (old: CK2686100)	Coax6 CT 15 A PE bk	102	1000	760/360/420	53.5	300	75	outside
1002679 (old: CK7686100)	Coax6 CT 15 A FRNC wt	102	1000	760/360/420	53.5	300	75	inside
1002680 (old: CK7686101)	Coax6 CT 15 A FRNC bk fading out!	102	1000	760/360/420	53.5	300	75	inside

*PWD (plywood drum)