



Coax4 CT 22 A (2.2/10.2/413)

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), 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 2.2 mm
Insulation	gas injected foam PE, diameter 10.2 mm
Outer conductor	Cu-PET-Cu foil, longitudinal, under bare copper braid , optical coverage 60% diameter 11.0 mm
Sheath	PE, diameter 13.8 mm ± 0.2 mm black

Mechanical properties

Minimum bending radius	without load	10 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



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Electrical properties

at 20°C

DC resistance	Inner conductor	4.4 Ω/km
	Outer conductor	4.5 Ω/km
Mutual capacitance		52 pF/m
Characteristic impedance		75 Ω ± 2 Ω
Velocity ratio		82 %
Screening factor	30 MHz – 1000 MHz	> 100 dB
Transfer impedance	5 MHz – 30 MHz	≤ 1 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	0.6	5 – 30	> 26
50	2.0	30 – 470	> 26
100	2.9	470 – 1000	> 23
200	4.2		
400	6.1		
800	8.9		
862	9.2		
950	9.7		
1350	11.8		
1750	13.8		
2150	15.8		
3000	18.5		

Technical data

Product code	Cable type	Weight kg/km	Copper content	Tensile force N	Storage
1002560 (old: CK2684300)	Coax4 CT 22 A (2.2/10.2/413) PE black	160	84.9	475	outside
1002866 (old: CK2684310)	Coax4 CT 22 A (2.2/10.2/413) PE green RAL 6016 fading out!	160	84.9	475	outside