Coax4 CT 22 A (2.2/9.3)

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 9.3 mm
Outer conductor	Cu-PET-Cu foil, longitudinal, under bare copper braid , optical coverage 60%, diameter 10.0 mm
Sheath	PE or FRNC, 12.5 mm ± 0.2 mm black
Printing	**DRAKA** COMTEQ – **COAX4 CT 22 A** + meter marking + batch number

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	4.8 Ω/km
	Outer conductor	5.2 Ω/km
Mutual capacitance		52 pF/m
Characteristic impedance		75 Ω ± 2 Ω
Velocity ratio		85 %
Screening factor	30 MHz – 1000 MHz	> 100 dB
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	0.65	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	11.5		
1750	13.6		
2150	15.3		
3000	18.2		

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
1002558 (old: CK2684100)	Coax4 CT 22 A PE	135	1000	900/450/560	80.5	475	125	outside
1002867 (old: CK7684100)	Coax4 CT 22 A FRNC **fading out!**	135	1000	900/450/560	80.5	475	125	outside

*OWD (Oneway drum)