

Coax4 CT 22 A (2.2/8.8)

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

Shielding 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 8.8 mm
Outer conductor	Cu-PET-Cu foil, longitudinal, under bare copper braid , optical coverage 60%, diameter 9.5 mm
Sheath	PE, 12.3 mm ± 0.4 mm black
Printing	DRAKA COMTEQ – COAX4 CT 22 A (8.8)+ 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	≤ 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	0.65	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	Standard delivery length	Drum size	Copper content	Tensile force	Bending radius	Storage
		kg/km	m	*OWD		N	mm	
1002561 (old: CK2684500)	Coax4 CT 22 A PE (2.2/8.8)	135	1000	900/450/560	70.5	475	125	outside

*OWD (Oneway drum)

Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
Coax4 CT 22 A PE		60013795	60013795
Coax4 CT 22 A PE 500DW	1002561-00500DW	60013795	60013797
Coax4 CT 22 A PE 1000DO	1002561-01000DO	60013795	60013799

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