

Coax4 CT 22 S (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

Screening Class A++ acc. to EN 50117-2-3,
further EN 50083-2/A1, EN 50117-1

Flame resistance

Construction

Inner conductor	bare copper wire, diameter 2.2 mm
Insulation	gas injected foam PE, diameter 8.8 mm
Outer conductor	welded copper tube, diameter 9.5 mm
Sheath	PE, diameter 12.3 ± 0.3 mm black
Printing	DRAKA COAX4 CT 22 S + batch number + meter marking

Mechanical properties

Minimum bending radius	without load	25 x D (D= outer diameter)
	with load	40 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	2,6 Ω/km
Mutual capacitance		50 pF/m
Characteristic impedance		75 Ω ± 2 Ω
Velocity ratio		88 %
Screening factor	30 MHz – 1000 MHz	> 120 dB
Transfer impedance	5 MHz – 30 MHz	< 0.8 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	6.0		
800	8.7		
862	9.1		
950	9.6		
1350	11.3		
1750	13.3		
2150	15.1		
3000	18.0		

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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
1002559 (old: CK2684200)	Coax4 CT 22 S PE bk	158	1000	1100/800/694	110	500	185	outside

*OWD (one-way drum)

Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
Coax4 CT 22 S PE	1002559	60009599	60009599
Coax4 CT 22 S PE 500DW	1002559-00500DW	60009599	60016723
Coax4 CT 22 S PE 1000DW	1002559-01000DW	60009599	60016724

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