



## 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

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	welded copper tube, diameter 9.5 mm
Sheath	PE, diameter 12.3 ± 0.3 mm black
Printing	<b>DRAKA COMTEQ – COAX4 CT 22 S</b> + 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	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 <sub>DC</sub> 1 min
	Sheath	3.75 kV <sub>DC</sub> 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		

### 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	170	1000	1250/630/670	110	500	125	outside
1002865 (old: CK2684210)	Coax4 CT 22 S PE green RAL 6016 <b>fading out!</b>	170	1000	1250/630/670	110	500	125	outside

\*OWD (one-way drum)