

Coax4 CT 22 S (2.2/8.8) LWT

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. Coax LWT types are Longitudinal Water Tight.

Standards

EN 50117-2-3,
further EN 50083-2/A1, EN 50117-1
EN50289-4-2 method B;

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, LWT (Longitudinal Water Tight), diameter 12.3 ± 0.3 mm black
Printing	DRAKA - COAX4 CT 22 S LWT + 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
Longitudinal water tightness	according to EN 50289-4-2 method B	3m sample, water height 1m, 24h

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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 attenuation	30 MHz – 1000 MHz	> 120 dB Screening Class A++
Transfer impedance	5 MHz – 30 MHz	< 0.8 mΩ/m Screening Class A++
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) acc. to EN 50117-2-3	
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	Standard delivery length	Drum size	Copper content	Tensile force	Bending radius	Storage
		kg/km	m	*OWD		N	mm	
60016694	Coax4 CT 22 S PE LWT	170	1000	1250/630/670	110	500	125	outside

*OWD (one-way drum)

[PRODUCT CODE TABLE]

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