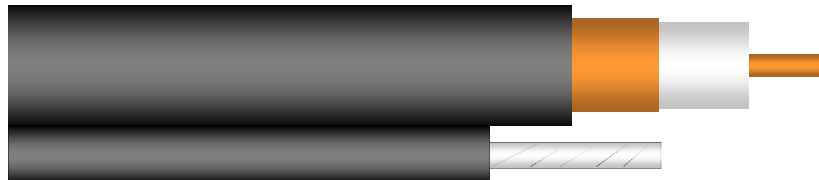


Coax3 CT 33 S TS (3.3/13.5)

CATV Trunk Cable with suspension wire



Application

CATV cables are used in trunk lines of CATV and broadband networks between headend and subscriber termination point.

Standards

Shielding 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 3.3 mm
Insulation	gas injected foam PE, diameter 13.3 mm
Outer conductor	welded copper tube, diameter 14.1 mm
1. Sheath	PE, diameter 17.1 mm ± 0.5 mm, colour black RAL 9005
2. Sheath	PE, diameter 18.8 mm x 29.2 mm
Suspension wire	Stranded galvanized steel wires, 19 x 1.0 mm, diameter 5.0 mm
Printing	DRAKA - COAX3 CT 33 S + batch number + meter marking

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
Minimum breaking strength of suspension wire		18000 N

Coax3 CT 33 S TS (3.3/13.5)

Electrical properties

at 20°C

DC resistance	Inner conductor	2.1 Ω/km
	Outer conductor	1.7 Ω/km
Mutual capacitance		50 pF/m
Characteristic impedance		75 Ω ± 1.5 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

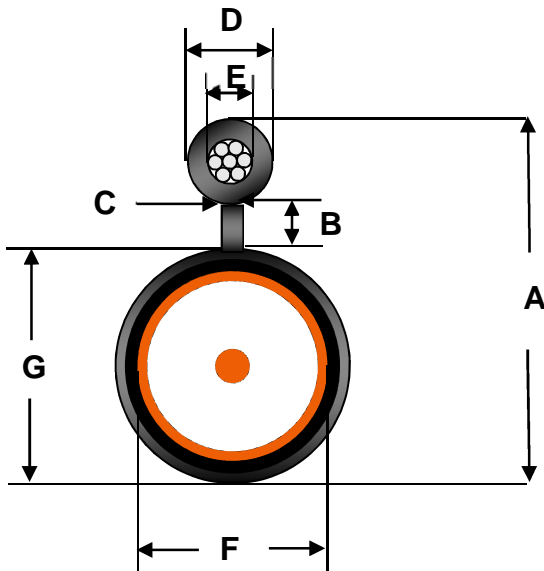
Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
	nominal		
5	0.4	5 – 30	> 26
50	1.3	30 – 470	> 26
100	1.9	470 – 1000	> 23
200	2.7		
400	4.0		
800	5.8		
862	6.0		
950	6.3		
1350	7.7		
1750	8.9		
2150	10.1		
3000	12.0		

Coax3 CT 33 S TS (3.3/13.5)

Technical data

Product code	Cable type	Weight kg/km	Standard delivery length m	Drum size *OWD	Copper content	Maximum tensile force of suspension wire N	Bending radius mm	Storage
1014244 60009202	Coax3 CT 33 S TS PE bk	506	1000	1400/710/960	195	6000	200	outside

*OWD (Oneway drum)



Diameter in mm	3.3/13.3-TS
Inner conductor	3.3
Insulation	13.3
Outer conductor (F)	14.1
Sheath (G)	18.8
Bridge height (B)	2.5
Bridge width (C)	5.0
Suspension wire (E)	5.0
Wire sheath (D)	8.0
Total (A)	29.2

[PRODUCT CODE TABLE]

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