



1.0/4.8 AF PVC

CATV Drop Cable



Application

Drop cables are used in TV signal distribution networks and as antenna cable for terrestrial and satellite broadcast systems.

Standards

EN 50117-1

Flame resistance

Construction

Inner conductor	bare copper wire, diameter 1.0 mm
Insulation	phys. Foam PE, diameter 4.65 mm \pm 0.10 mm
Outer conductor	Al-PETP-Al foil under tinned copper braid, diameter 5.4 mm optical coverage \geq 40 %
Sheath	PVC, diameter 6.8 mm \pm 0.2 mm white

Electrical properties

at 20°C

DC resistance	Inner conductor	22 Ω /km
	Outer conductor	25 Ω /km
Mutual capacitance		55 pF/m
Characteristic impedance		75 $\Omega \pm 2 \Omega$
Velocity ratio		85 %
Screening factor	30 MHz – 1000 MHz	> 80 dB



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Electrical data

at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
	nominal		
5	1.6	5 – 30	> 26
50	4.6	30 – 470	> 23
100	6.4	470 – 862	> 20
200	8.9	862 – 2150	> 18
400	12.7		
862	18.9		
950	19.8		
1000	20.5		
1350	23.8		
1600	26.4		
1750	27.6		
2150	30.8		
2550	33.6		
3000	36.5		

Technical data

Product code	Cable type	Wight kg/km	Standard delivery length m	Drum size KTG/ring	Copper content	Tensile force N	Bending radius mm	Storage
CK2711709	1.0/4.8 AF PVC without printing	45	1000	071	14.5	110	35	inside
1002603 CK2711705	1.0/4.8 AF PVC	45	1000	071	14.5	110	35	inside