



1.6/7.3 AF PVC or PE black

CATV Distribution and Drop Cable



Application

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

Standards

according to EN 50117-1 and draft EN 50117-2-2, 4 a. 5 May 2002,
EN 50083-2/A1 screening class A

Flame resistance

Construction

Inner conductor	bare copper wire, diameter 1.6
Insulation	phys. foam PE, diameter 7.2 mm
Outer conductor	Al-PETP-Al foil under tinned copper braid, diameter 8.0 mm Optical coverage 60%
Sheath	PVC or PE, 10.0 mm \pm 0.3 mm black

Electrical properties

at 20°C

DC resistance	Inner conductor	9 Ω /km
	Outer conductor	14 Ω /km
Mutual capacitance		55 pF/m
Characteristic impedance		75 $\Omega \pm 2 \Omega$
Velocity ratio		80 %
Screening factor		> 80 dB



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Electrical data

at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
5	1.0	5 – 30	> 26
50	3.0	30 – 470	> 23
100	4.2	470 – 862	> 20
200	6.0	862 – 2150	> 18
400	8.8		
862	12.9		
1000	14.6		
1350	17.5		
1600	19.3		
1750	20.2		
2150	23.1		
2550	25.2		
3000	27.8		

Technical data

Product code	Cable type	Weight kg/km	Standard delivery length m	Drum size KTG/ring	Copper content	Tensile force N	Bending radius mm	Storage
1002670 CK2991606	1.6/7.3 AF FRNC	85	1000	091	35.3	300	50	inside
1002646 CK2753001	1.6/7.3 AF PE	85	1000	091	35.3	300	50	inside