



1.7/6.9 F PE black

CATV Distribution and 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

Flame resistance

Construction

Inner conductor	bare copper wire, diameter 1.7 mm
Insulation	phys. foam PE, diameter 6.9 mm
Outer conductor	copper foil under bare copper braid, diameter 7.7 mm (optical coverage 50%)
Sheath	PE or PVC, diameter 10.4 mm \pm 0.3 mm black or white

Electrical properties

at 20°C

DC resistance	Inner conductor	7.9 Ω /km
	Outer conductor	7.6 Ω /km
Mutual capacitance		52 pF/m
Characteristic impedance		75 $\Omega \pm 1.5 \Omega$
Velocity ratio		82 %
Screening factor		> 90 dB



1.7/6.9 F PE black

Electrical data

at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
	nominal		
5	0.85	5 – 30	> 26
50	2.7	30 – 470	> 23
100	3.9	470 – 862	> 20
200	5.3	862 – 2150	> 18
400	7.7		
862	11.5		
1000	12.8		
1350	14.8		
1600	16.1		
1750	16.8		
2150	19.0		
2550	21.1		
3000	22.8		

Technical data

Product code	Cable type	Weight kg/km	Standard delivery length m	Drum size PWD	Copper content	Tensile force N	Bending radius mm	Storage
1002592 CK2710900	1.7/6.9 F PVC	110	1000	600/312/380	52.8	300	75	inside
1002594 CK2710902	1.7/6.9 F PVC	102	1000	600/312/380	52.8	300	75	inside
1002595 CK2711000	1.7/6.9 F PE	110	1000	600/312/380	52.8	300	75	inside
1002597 CK2711002	1.7/6.9 F PE	110	1000	600/312/380	52.8	300	75	inside
1002598 CK2711003	1.7/6.9 F PE	110	1000	600/312/380	52.8	300	75	inside

*PWD (Plywood drum)