

## 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 ± 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 Ω ± 1.5 Ω
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	600/312/3 80	52.8	300	75	inside
1002594 CK2710902	1.7/6.9 F PVC	102	1000	600/312/3 80	52.8	300	75	inside
1002595 CK2711000	1.7/6.9 F PE	110	1000	600/312/3 80	52.8	300	75	inside
1002597 CK2711002	1.7/6.9 F PE	110	1000	600/312/3 80	52.8	300	75	inside
1002598 CK2711003	1.7/6.9 F PE	110	1000	600/312/3 80	52.8	300	75	inside

\*PWD (Plywood drum)

### Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
1.7/6.9 F PE (GC) NK-17 CN		60011436	<b>60011436</b>

## 1.7/6.9 F PE black

---

© PRYSMIAN GROUP 2009, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.