

1.0/4.8 F 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

Flame resistance

FRNC-B acc. to IEC 60332-1
FRNC-C acc. to IEC 60332-3

Construction

Inner conductor	bare copper wire, diameter 1.0 mm
Insulation	physically foamed PE, diameter 4.65 mm
Outer conductor	copper foil under bare copper braid, diameter 5.5 mm optical coverage 66% (FRNC-C type 75%)
Sheath	PVC, FRNC-B or FRNC-C, diameter 7.0 ± 0.2 mm white

Electrical properties

at 20°C

DC resistance	Inner conductor	22 Ω /km
	Outer conductor	12 Ω /km
	Outer conductor FRNC-C-Typ	10 Ω /km
Mutual capacitance		55 nF/m
Characteristic impedance		75 $\Omega \pm 2 \Omega$
Velocity ratio		80 %
Screening factor		> 80 dB
FRNC-C additionally 30-1000 MHz		> 90 dB

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Electrical data

at 20°C

Frequency (MHZ)	Attenuation (dB/100m)		Return loss (dB)	
	nom.	max.	Frequency (MHz)	
5	1.5	1.6	5-30	> 26
50	4.7	5.0	30-470	> 23
100	6.2	6.5	470-862	> 20
200	8.6	9.0	862-2150	> 18
400	12.6	13.0		
862	19.1	20.0		
1000	20.6	21.6		
1350	24.7	25.9		
1600	27.1	28.5		
1750	28.5	30.0		
2150	31.6	33.2		
2550	34.5	36.2		
3000	37.4	39.3		

Technical data

Product code	Cable type	Weight kg/km	Copper content	Standard delivery length m	Bending radius mm	Tensile force N	Storage
1002586 CK2710300	1.0/4.8 F PVC	58	24.5	1000/200	35	110	inside
1002587 CK2710301	1.0/4.8 F PVC	58	24.5	1000/200	35	110	inside
1002588 CK2710302	1.0/4.8 F FRNC-B	58	24.5	1000	35	110	inside
1002673 CK7510300	1.0/4.8 F FRNC-C	60	38.8	1000	35	110	inside

Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
1.0/4.8 F TELLU 13 1000DW	1002586-01000DW	60013902	60013903
1.0/4.8 F TELLU 13/200m 200DW	1002587-00200DW	60013905	60013905
1.0/4.8 F TELLU 13 FRNC-C		60015084	60015084
1.0/4.8 F TELLU 13 FRNC-C 200DW	1002673-00200DW	60015084	60015085

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