

# Coax10 AD 10 E/1.0/4.8 AF

## CATV Drop Cable



## Application

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

## Standards

**Screening Class C** acc. to Cenelec SC46XA  
EN 50117-2-1, EN 50117-2-2, EN 50117-2-4 and EN 50117-2-5,  
further EN 50083-2/A1, EN 50117-1

## Flame resistance

IEC 60332-1

## Construction

Inner conductor	bare copper wire, diameter 1.0 mm	
Insulation	gas injected foam PE, diameter 4.65 mm	
Outer conductor	AL-PET-Al foil, longitudinal, under tinned copper braid, optical coverage 40%, diameter 5.2 mm	
Sheath	PVC altern. FRNC, 6.8 mm ± 0.2 mm black or white	
Printing	<b>DRAKA COMTEQ – COAX10 AD 10 E</b> (or <b>1.0/4.8 AF</b> ) + meter marking + batch number	

## Mechanical properties

Minimum bending radius	without load	5 x D ( D= outer diameter )
	with load	10 x D ( D= outer diameter )
Temperature range	during operation	- 40° C to + 70° C
	during storage	- 40° C to + 70° C
	during installation	- 5° C to + 60° C
Corrosivity	for cables with FRNC sheath	acc. to IEC 60754-2

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### Electrical properties

at 20°C

DC resistance	Inner conductor	22 Ω/km
	Outer conductor	25 Ω/km
Mutual capacitance		52 pF/m
Characteristic impedance		75 Ω ± 3.0 Ω
Velocity ratio		82 %
Screening factor	30 MHz – 1000 MHz	> 80 dB
Transfer impedance	5 MHz – 30 MHz	≤ 15 mΩ/m
Electrical strength	Dielectric	2 kV <sub>DC</sub> 1 min
	Sheath	3.75 kV <sub>DC</sub> 1 min

### 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	> 24
100	6.4	470 – 1000	> 20
200	8.9	1000 – 3000	> 18
400	12.7		
800	18.2		
862	18.9		
950	20.0		
1350	23.8		
1750	27.6		
2150	30.8		
3000	36.5		

### Technical data

Product code	Cable type	Weight	Standard delivery length	Drum size	Copper content	Tensile force	Bending radius	Storage
		kg/km	m	*PWD		N	mm	
1002584 (old: CK2689400)	Coax10 AD 10 E PVC	44	1000	400/150/30	13.4	110	35	inside

\*PWD (plywood drum)

### Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
Coax10 AD 10 E PVC		60013844	<b>60013844</b>
Coax10 AD 10 E PVC 100RW	1002584-00100RW	60013844	<b>60013845</b>
Coax10 AD 10 E PVC 500DW	1002584-00500DW	60013844	<b>60013846</b>
Coax10 AD 10 E PVC 200DW	1002584-00200DW	60013844	<b>60013847</b>

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