

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	DRAKA COMTEQ - COAX10 AD 10 E (or 1.0/4.8 AF) + 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		$75 \Omega \pm 3.0 \Omega$		
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 _{DC} 1 min		
	Sheath	3.75 kV _{DC} 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			

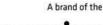
Technical data

Product code	Cable type	Weigh t	Standard delivery length	Drum size	Coppe r conte nt	Tensil e force	Bending radius	Stora ge
		kg/km	m	*PWD	110	N	mm	
1002584 (old: CK2689400)	Coax10 AD 10 E PVC	44	1000	400/150/3 30	13.4	110	35	insid e

^{*}PWD (plywood drum)

Product Code Table

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







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