

The right to alterations reserved

CATV-Drop-Cable**Coax10 AD 10 E / 1.0/4.8 AF****Application**

Drop cables are used in private and commercial TV signal distribution networks and as antenna cable for terrestrial and satellite broadcast systems. They are suitable for fixed installation but not for continuously moving applications

Standards

Screening Class C acc. to Cenelec SC46XA
EN 50117-2-1(2004), EN 50117-2-2(2004), 50117-2-4(2004) and 50117-2-5(2004), further EN 50083-2/A1, EN 50117-1

Construction**Inner conductor**

bare copper wire, diameter 1.0 mm

Insulation

gas injected foam PE, natural colour, diameter 4.65 mm

Outer conductor

AL-PET-Al foil, longitudinal, under tinned copper braid, optical coverage 40%, diameter 5.2 mm

SheathPVC, or flame retardant non corrosive Copolymer
diameter 6.8 ± 0.2 mm**Sheath colour**

black or white

Sheath marking**DRAKA COMTEQ – COAX10 AD 10 E** (or **1.0/4.8 AF**) + meter marking + charge number**Electrical properties at 20 °C**

Characteristic impedance	Ω	75 ± 3
Attenuation at 5 MHz	dB/100m	1.6
(nominal) 50 MHz	dB/100m	4.6
100 MHz	dB/100m	6.4
200 MHz	dB/100m	8.9
400 MHz	dB/100m	12.7
800 MHz	dB/100m	18.2
862 MHz	dB/100m	18.9
950 MHz	dB/100m	20.0
1350 MHz	dB/100m	23.8
1750 MHz	dB/100m	27.6
2150 MHz	dB/100m	30.8
3000 MHz	dB/100m	36.5
Screening attenuation		
30-1000 MHz	dB	> 80
1000 MHz-2000 MHz	dB	> 75
2000 MHz-3000 MHz	dB	> 70
Transfer impedance		
5 MHz-30 MHz	m Ω /m	≤ 15
Velocity ratio	%	85
DC resistance		
Inner conductor	Ω /km	22
Outer conductor	Ω /km	25
Return loss		
5 - 30 MHz	dB	> 26
30 - 470 MHz	dB	> 24
470 - 1000 MHz	dB	> 20
1000 - 3000 MHz	dB	> 18
Mutual capacitance	pF/m	52
Electrical strength (1 Min.)		
Dielectric	kV dc	2
Sheath	kV dc	3.75

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CATV-Drop-Cable**Coax10 AD 10 E / 1.0/4.8 AF****Mechanical properties at 20 °C**

Operating temperature range	°C	-40 to +70
Temperature range during storage	°C	-40 to +70
Temperature range during installation	°C	-5 to +60
Bending radius		
without load	mm	5 x Ø Cable
with load	mm	10 x Ø Cable
Fire propagation test (not for cables with the PE sheath) for cables with FRNC sheath		acc. to ICE 60332-1
Corrosivity		acc.to ICE 60754-2

Technical data

Product code	Cable type	Weight kg/km	Copper content	Standard Delivery length m	Drum Size PWD	Bending radius mm	Tensile force N	Storage
CK2689400	Coax10 AD 10 E PVC	44	13.4	1000	400/150/33 0	35	110	inside
CK.....	Coax10 AD 10 E FRNC	42						

PWD (plywood drum)

Comments:

Coax10:	Coax cable with approx. 10 dB/100 m attenuation at 230 MHz
AD:	Al-Drop-cable
10:	Inner conductor 1.0 mm (the first two figures represent the inner conductor diameter)
E:	Economy (represents double screen, consists of Al-PET-Al-foil + tinned copper braid with screening class B with at least 80 dB screening attenuation)