

CATV Drop Cable Coax10 Trishield Economy



Application

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

Construction

Inner conductor

bare copper wire, diameter 1.0 mm

Insulation

gas injected foam PE, natural colour, diameter 4.55 mm

Outer conductor

Al-PET- foil, longitudinal, bonded to the insulation, under tinned copper braid, optical coverage 40%, + Al-PET foil longitudinal, bonded to the sheath, diameter 5.5 mm

Sheath

PVC

diameter 6.8 ± 0.2 mm

Sheath colour

white

Sheath marking:

DRAKA COAX10 TRISHIELD Economy
+ batch number + meter marking

Electrical properties at 20 °C

Characteristic impedance	Ω	75 ± 2
Attenuation at 5 MHz	dB/100m	1.6
(nominal) 50 MHz	dB/100m	4.3
100 MHz	dB/100m	6.2
200 MHz	dB/100m	8.7
400 MHz	dB/100m	12.5
800 MHz	dB/100m	17.9
862 MHz	dB/100m	18.6
950 MHz	dB/100m	19.8
1350 MHz	dB/100m	23.7
1750 MHz	dB/100m	27.2
2150 MHz	dB/100m	30.5
3000 MHz	dB/100m	36.9
Screening attenuation		
30-1000 MHz	dB	> 95
Velocity ratio	%	85
DC resistance		
Inner conductor	Ω/km	< 22
Outer conductor	Ω/km	< 23
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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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

Technical data

Product code	Cable type	Weight kg/km	Bending radius mm	Tensile force N	Storage
AS0113730	Coax10 Trishield Economy PVC	44.5	35	73	inside