

TV 100 Coaxial Cable Duct Grade Technical Datasheet

Part No: 392100D

Description: The TV range of cable television and video cables is used primarily to carry TV, Satellite and CCTV signals. Suitable for External Application and Ducts.



Construction

Conductor Material : Bare Copper
Stranding : 1/1.02mm
Dielectric : Foamed Polyethylene (FPE)
Diameter of Dielectric : 4.6mm (+/- 0.1mm)
1st Screen Material : Copper Foil, 100% Coverage
2nd Screen Material : Bare Copper Wire Braid, >55% Coverage
Inner Sheath Material : Polyvinyl Chloride (PVC), Black
Outer Sheath Material : Low Density Polyethylene (LDPE), Black

Electrical Characteristics

Impedance : 75 ± 1Ω
Capacitance : 53 pF /m
Velocity of Propagation : 80 %
Conductor Resistance : < 26 Ω/km
Outer Conductor Resistance : < 15 Ω/km

Attenuation

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
5	1.6	860	19.5
50	4.6	1000	21.5
100	6.5	1750	29.0
200	9.5	2150	32.5
460	15.0		

Return Loss

Frequency (MHz)	dB
30 – 470	≥ 23
470 – 862	≥ 20
862 - 2150	≥ 18

Physical Characteristics

Overall Diameter : 9.4 ± 0.2mm
Min. Bend Radius : 10 x OD
Temperature Rating : -20°C to +70°C
Weight : 70 kg/km

Standards

RoHS2 Compliant : Yes

Part Number: 392100D
Date: 10/07/2017
Revision: 1.0
Author: TB Checked:
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