

Part No: 392100D-F00
Description: TV100 75 Ohm Duct Grade Black Coaxial Cable




Construction

Conductor Material : Solid Bare Copper
 Conductor Size : 1/1.00 mm
 Dielectric : Foam Polyethylene (FPE)
 Diameter of Dielectric : 4.6 mm
 1st Screen Material : Plain Copper Foil
 2nd Screen Material : Bare Copper Wire Braid (>55% Coverage)
 Inner Sheath Material : Polyvinyl Chloride (PVC)
 Inner Sheath Colour : Black
 Outer Sheath Material : Low Density Polyethylene (LDPE)
 Outer Sheath Colour : Black



Electrical Characteristics

Impedance : 75 $\Omega \pm 3$
 Capacitance : 53 pF /m ± 3
 Velocity of Propagation : 81 %
 Conductor Resistance @ 20°C : $\leq 26 \Omega /km$
 Screen Resistance @ 20°C : $\leq 15 \Omega /km$

Attenuation @ 20°C

Frequency (MHz)	Attenuation (dB/100m)
5	< 1.6
50	< 4.6
100	< 6.5
200	< 9.5
460	< 15.0

Return Loss @ 20°C

Frequency (MHz)	Return Loss (dB)
5-470	≥ 23
470-862	≥ 20
862-2150	≥ 18
2150-3000	≥ 18

Physical Characteristics

Overall Diameter : 9.3 mm ($\pm 0.3mm$)
 Bending Radius : 10 x OD
 Temperature Rating : Fixed -15°C to +70°C Flexing -10°C to 70°C
 Weight : 70 kg/km

Standards

RoHS3 Compliant : Yes
 UV Resistance : ISO 4892-3
 CE Compliant : LVD (2014/35/EU), CPR (305/2011)
 CPR Classification : Fca (EN50575:2014+A1:2016)