

RG 58 Coaxial Cable



Cable Specification

Type of cable	Coaxial Cable
No of Cores	1
Conductor	
Material	Tinned Copper
No of strands	19
Diameter of Each Strands	MM 0.71 $\pm$ 0.015 MM
Nominal Cross Section Area	Sqmm 0.395
Insulation	
Material	Polythein
Insulation Thickness	MM 1.00 $\pm$ 0.05
Core Diameter	MM 2.85 $\pm$ 0.2
SHIELDED	
Braiding Copper Alloy Copper	Tinned Copper
braiding Coverage %	70 $\pm$ 5 %
Outer Sheath	
Material	PVC AS PER IS 5831/1984
Colour	White / Black
Overall Diameter	MM 4.70 $\pm$ 0.05
Electrical Data	
Elongation of PVC %	150 (min)

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Tensile strength of PVC	N/Sqmm 12.5 (min)
Conductor Resistance at 20°C	$\Omega/\text{KM} < 43.57$
IR Constant at 27°C	M $\Omega/\text{KM} > 1000$
Volume Resistivity at 27°C	$\Omega/\text{cm} > 1 \times 10^{14}$
Impedance	$\Omega 50 \pm 3$
Capacitance	Pf/m 101 ± 5
Frequency :------ DB/100m	
100 MHz	16.2
200 MHz	22.4
400 MHz	35.1
700 MHz	46.3
900 MHz	57.4
Shrinkage Test %	4 % (max)
Flammability Test MM	Uncharred Portion Should be 50 mm (Min)
Heat Shock Test 0°C	Should be No cracks at 150°C for 1 hr.



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