

Synergy Telecom P Ltd.

RG 59 Coaxial Cable

Item Name :-RG - 59 U Coaxial Cable			
S.No	TEST	UNIT	Specified
1	Type of cable		Coaxial Cable
2	No of Cores		1
3	Conductor :-----		
A	Material		Bare Copper
B	No of strands		1
C	Diameter of Each Strands	MM	0.81 ± 0.005 MM
D	Nominal Cross Section Area	Sqmm	0.515
4	Insulation :-----		
A	Material		Foam
B	Type		Foam
C	Insulation Thickness	MM	1.00 ± 0.05
D	Core Diameter	MM	3.50 ± 0.05
5	SHIELDED :-----		
A	Braiding Copper		Alloy Copper
B	Brading Coverage	%	70 ± 5 %
6	Outer Sheath :-----		
A	Material		PVC AS PER IS 5831/1984
B	Clour of Outer Sheath		Black
C	Overall Diameter	MM	5.90 ± 0.05
7	Electrical Data:-----		
A	Elongation of PVC	%	150 (min)
B	Tensile strength of PVC	N/Sqmm	12.5 (min)
C	Conductor Resistance at 20°C	Ω/KM	< 33.48
D	Impedence	Ω	75 ± 3

F	Capacitance	Pf/m	55 ± 5
G	Frequency :-----		DB/100m
	100	MHz	16.2
	200	MHz	22.4
	400	MHz	35.1
	700	MHz	46.3
	900	MHz	57.4
H	Shrinkage Test	%	4 % (max)
I	Flammability Test	MM	Uncharred Portion Should be 50 mm (Min)
J	Heat Shock Test	°C	Should be No cracks at 150°C for 1 hr.
K	High Voltage Test	KV	Should withstands with 3Kv (rms) voltage

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