



COAXIAL CABLE

Document ID: TE/QMS/F/02

DESIGN CODE : RGPB05SPUAY1001CRG11

Particulars		RG11F CCS Unarmoured Co-axial Cable
Name of Manufacturer		Polycab India Limited
Type of cable		Co-axial Cable Unarmoured
Size		RG-11 F CCS
Applicable Standard		ANSI/SCTE 74-2011
Conductor		
a) Material		Solid Copper Clad Steel
b) Conductor Diameter (mm)		1.63 ± 0.005
Insulation		
a) Material		Foam HDPE
b) Dia. Over Dielectric (mm)		7.11
c) Insulation Thickness (mm)		2.74
Inner Shield		
a) Material		Alum. Foil
b) Diameter Over Inner Shield (mm)		7.32
c) Width of Al Foil (mm)		25
Outer Shield		
a) Material		Aluminium Alloy
b) Diameter of Wire (mm)		0.12
c) Min. Braiding Coverage (%)		60%
d) Dia. Over Outer Shield (mm)		7.8
e) Flooding Compound		Jelly
Outer Sheath		
a) Material		PVC
b) Min. Outer Sheath thickness (mm)		0.9
c) Diameter over Outer Sheath (mm)		9.80 ± 2
d) Colour of Sheath		Black

Electrical Parameters

a)	Nominal Impedance (Ohms)	75 ± 3
b)	Capacitance (pf / mtr)	53 ± 3
c)	Max. Conductor Resistance @ 20°C (Ohm/km)	45
d)	Attenuation @20 Deg C (dB/100 M)	
	5 MHz	1.25
	55 MHz	3.15
	83 MHz	3.87
	187 MHz	5.74
	211 MHz	6.23
	250 MHz	6.72
	300 MHz	7.38
	350 MHz	7.94
	400 MHz	8.53
	450 MHz	9.02
	500 MHz	9.51
	550 MHz	9.97
	600 MHz	10.43
	750 MHz	11.97
	865 MHz	13.05
	1000 MHz	14.27
	Packing Length (M)	1000/2000 Meter ± 5%

Rev. No.: 00

Issued Date : 04/04/2022

Note:-The values given above are subject to tolerances as per the relevant standards.