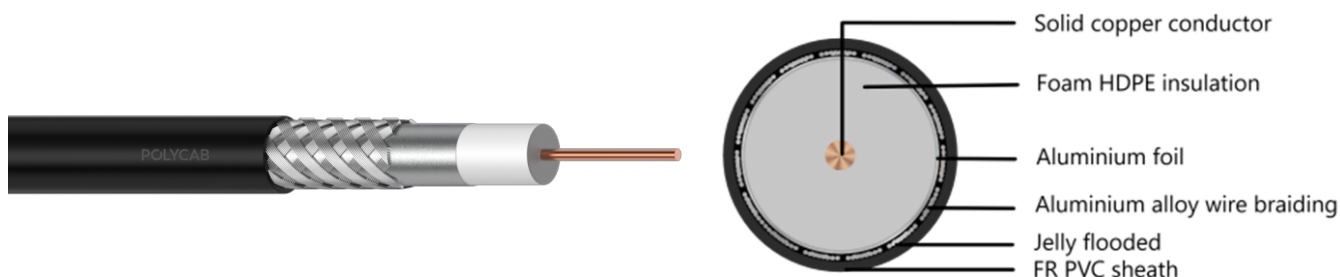


POLYCAB Co-axial cable

75 ohm CATV Application



Images not to scale. Follow table for dimensions

APPLICATION

Polycab Co-axial cables are technologically superior and provide a smooth high frequency signal transmission to CATV network. Polycab Coaxial cables are suitable to use in external as well as in internal installation for low power video signal and broad band signals.

CHARACTERISTICS

Operation Temperature

Max.: 70° C

CONSTRUCTION

- RG-59 F/RG-6 F/RG-11 F: Solid bare copper, RG-6 CCS/RG-11 CCS: solid copper clad steel
- Insulated with foam HDPE (high density polyethylene)
- Primary shield by Bonded Aluminium foil
- Secondary shield by Aluminium alloy wire.
- Flooded with jelly
- Sheathed with Flame retardant PVC in Black colour.

Bending Radius

20 x Overall diameter

OUTSTANDING FEATURES

- Minimum loss in signal quality
- Higher bandwidth
- Low attenuation value
- Minimum structural return loss (SRL)
- Moisture proof

STANDARD FOLLOWS

ANSI/SCTE 74 2011

OUR ACCREDITATIONS



APPROVAL



NOTES

All above products are available with armouring on demand

Dimension Data

Product basic code	Co-axial cable	Dia. over dielectric mm	Overall diameter mm
RGPB05CPUAY1001CRG59H001S	RG-59 F	3.55	5.7
RGPB05CPUAY1001CRG06H001S	RG-6 F	4.57	6.6
RGPB05CPUAY1001CRG11H001S	RG-11 F	7.11	9.8
RGPB05SPUAY1001CRG11H001S	RG-11 CCS	7.11	9.8
RGPB05SPUAY1001CRG06H001S	RG-6 CCS	4.57	6.8

Electrical characteristics

Parameter	RG-59 F	RG-6 F	RG-11 F	RG-11 CCS	RG-6 CCS
Nominal impedance (Ω)	75 $\pm$ 3	75 $\pm$ 3	75 $\pm$ 3	75 $\pm$ 3	75 $\pm$ 3
Capacitance (pf/m)	53 $\pm$ 3	53 $\pm$ 3	53 $\pm$ 3	53 $\pm$ 3	53 $\pm$ 3
Maximum DC conductor resistance at 20°C (Ω /km)	35.5	21.4	8.5	45 (Conductivity-21%)	112 (Conductivity-21%)
Velocity of propagation (%)	82	82	82	82	82
Attenuation at 20°C (dB/100 m) at					
5 MHz	2.82	1.95	1.25	1.25	1.95
55 MHz	6.73	5.2	3.15	3.15	5.2
211 MHz	12.47	9.5	3.87	3.87	9.5
250 MHz	13.45	10.5	5.74	5.74	10.5
300 MHz	14.6	11.5	6.23	6.23	11.5
350 MHz	15.75	12.4	6.72	6.72	12.4
400 MHz	16.73	13.3	7.38	7.38	13.3
450 MHz	17.72	14.35	7.94	7.94	14.35
550 MHz	19.52	15.7	8.53	8.53	15.7
600 MHz	22.87	16.45	9.02	9.02	16.45
750 MHz	24.67	18.35	9.51	9.51	18.35
865 MHz	26.64	19.95	9.97	9.97	19.95

1000 MHz	21.45	21.45	10.43	10.43	21.45
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POLYCAB