

Polycab, CCTV (Closed Circuit Television) cable



Polycab offers CCTV cable which are specially designed to transmit complete video frequency with minimum distortion or attenuation.

This cable is offered in two types namely 3+1 CCTV cable & 4+1 CCTV cable. Co-axial cable forms the carrier for video signal and other 4 core or 3 core forms the carrier for power. Technologically superior construction of Co-axial cable in CCTV cable ensures distortion free video signal.

Polycab CCTV cables are truly tested for all parameters by computerised analyser. CCTV cables with armouring can also be supplied on demand.

Conductor: Electrical grade 99.97% pure Solid bare copper conductor.

Insulation: In-house developed high-density polyethylene insulated over conductor

Co-axial Cable

Conductor: Electrical grade 99.97% pure solid bare copper conductor to ensure better signal transmission.

Insulation: Superior quality high density polyethylene foam insulated over conductor

Screen: Bonded Aluminium foil

Shielding: Aluminium alloy wire braiding with high tensile strength

Flooding: Flooded with jelly

Sheath: In-house developed thermoplastic jacketing for UV & abrasion resistant

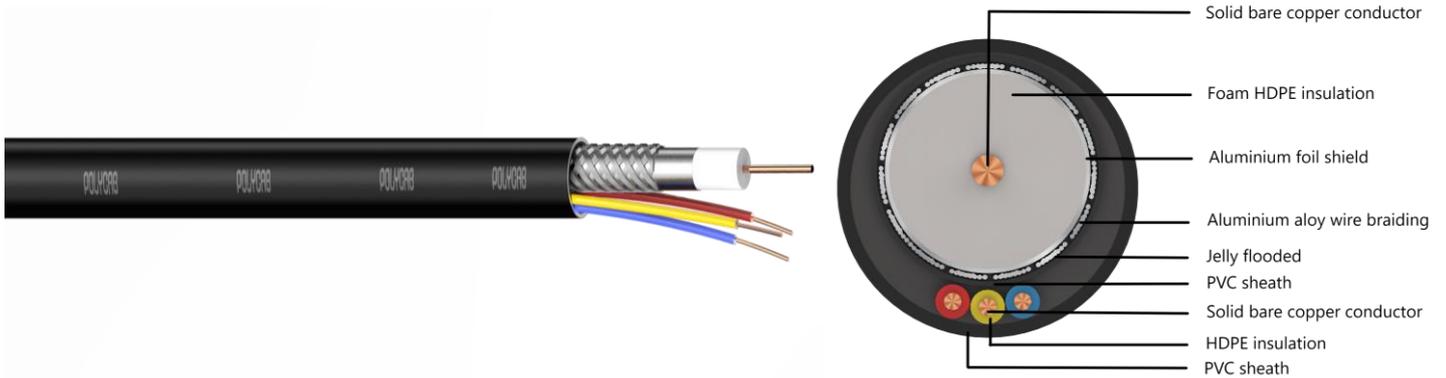
Sheath: In-house developed thermoplastic jacketing for UV & abrasion resistant



[POLYCAB CCTV cable – Communication cable](#)

POLYCAB CCTV cable

Communication cable



Application

Polycab CCTV cable is designed to use in close circuit camera system for safety and security management in industries, Malls, hospitals, shops, Roads and offices.

Operation Temperature

Max.: 70° C

Construction

- Solid bare copper conductor
- Insulated with HDPE (high density polyethylene)
- Co-axial cable: RG 59 F
 - Solid bare copper
 - Insulated with foam HDPE (high density polyethylene)
 - Inner shielded by Aluminium foil
 - Braided by aluminium alloy wire braiding with tensile strength
 - flooded with jelly
 - Sheathed with PVC type ST1
- Sheathed with PVC type ST1

Feature & Advantages

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

Approval



Bending Radius

60 mm

OUR ACCREDITATION



POLYCAB CCTV cable

Communication cable

Product basic code	CCTV cable type	CCTV cable	Nominal dia. over insulation mm	Dia. over dielectric (RG 59 F) mm	Overall diameter mm
CCPB05CPUAY1003C0.5M	CCTV (3+1)	RG 59 F + 3C x 0.5mm	0.9	3.55	7.5±1.5
CCPB05CPUAY1004C0.5M	CCTV (4+1)	RG 59 F + 4C x 0.5mm	0.9	3.55	7.5±1.5

Electrical characteristics

Parameter	CCTV (3+1)	CCTV (4+1)
Nominal impedance (Ω)	75±3	75±3
Capacitance (pf/m)	53±3	53±3
Maximum DC conductor resistance at 20°C (Ω /km)	35.5	35.5
Velocity of propagation (%)	82	82
Attenuation at 20°C (dB/100 m) at		
5 MHz	2.82	2.82
55 MHz	6.73	6.73
211 MHz	12.47	12.47
250 MHz	13.45	13.45
300 MHz	14.6	14.6
350 MHz	15.75	15.75
400 MHz	16.73	16.73
450 MHz	17.72	17.72
550 MHz	19.52	19.52
600 MHz	22.87	22.87
750 MHz	24.67	24.67
865 MHz	26.64	26.64
1000 MHz	21.45	21.45

Note:

CCTV armoured cable is available on demand

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