



# POLYCAB

India's No.1 Cables & Wires Company



# CCTV

C A B L E S



Transporting the clearest  
signals from the camera  
to your screens

Enhance your security measures with  
Closed Circuit Television (CCTV)  
Cables from Polycab

# POLYCAB CCTV

POLYCAB CCTV Cables are offered in two types namely 4+1 CCTV Cable and 3+1 CCTV Cable. Coaxial cables form the carrier for video signal and the other '4 cores' or '3 cores' form the carriers for power. Coaxial cables are designed to transmit the complete video frequency range with minimum distortion or attenuation, making them an excellent choice for CCTV. Polycab CCTV cables are designed to optimize the quality of video signals, which are transmitted through the Coaxial cable in the CCTV cable. The Coaxial cable consists of solid annealed bare copper conductor of electrolytic grade which is insulated with Nylon foamed dielectric, aluminium foil taped, jelly flooded, braided with Al. Alloy and then jacketed with FR PVC. Topmost quality of construction of coaxial cable in Polycab CCTV cables ensures distortion free video signals and thus a clear picture over complete low frequency bandwidth of transmission in such applications. The impedance of coaxial cable is 75, which matches the CCTV equipment. This matching ensures adequate signal strength, no reflection and best picture quality. In CCTV the coaxial cable is of type RG-59 which has highest attenuation compared to RG-6 and RG-11. Hence, it is recommended for use only for distances up to 750ft to 1000ft. Foamed Nylon dielectric delivers excellent electrical properties such as low capacitance and high velocity of propagation. This results in low-loss characteristics and reduced attenuation of the video signal. Aluminium foil and Al. Alloy braiding of 60% coverage ensures complete elimination of EMI/RFI from the video signals and also provides a reduced DC resistance ground path. Jacketing with FR PVC is ideal for all indoor and outdoor applications.



## CCTV CABLE SPECIFICATIONS

SR.NO	CONSTRUCTION	MATERIAL/UNIT	POLYCAB	POLYCAB
	<b>CABLE SIZE</b>		<b>CCTV Cable 4+1</b>	<b>CCTV Cable 3+1</b>
	POWER CABLE			
<b>Sr.No</b>	<b>CABLE SIZE</b>		<b>4C X 0.15 SQMM</b>	<b>3C X 0.15 SQMM</b>
<b>1</b>	<b>CONDUCTOR</b>	ATC	ATC	ATC
	NO OF STRANDS	NOS	14	14
	STRAND DIA (Nominal)	MM	0.124	0.126
<b>2</b>	<b>INSULATION</b>	PVC	PVC	PVC
	THICKNESS (Nominal)	MM	0.55	0.56
	COLOUR		R,BE,BR,Y	R,BE,Y
	CO-AXIAL CABLE			
<b>3</b>	<b>CONDUCTOR</b>		SOLID BC	SOLID BC
	CONDUCTOR DIA (Nominal)	MM	0.80	0.80
<b>4</b>	<b>INSULATION</b>	HDPE	FOAM	FOAM
	THICKNESS (Nominal)	MM	1.34	1.36
<b>5</b>	<b>AL - FOIL</b>		AL- FOIL	AL- FOIL
	THICKNESS (Nominal)	MM	0.052	0.052
	WIDTH (Nominal)/OVERLAP	MM/%	15/100%	15/100%
<b>6</b>	<b>BRAIDING</b>	AL.ALLOY	AL.ALLOY	AL.ALLOY
	WIRE DIA (Nominal)	MM	0.12	0.12
	BRAIDING COVERAGE	%	60	60
<b>7</b>	<b>CO-AXIAL OUTER SHEATH</b>	ST3		
	COLOUR		BLACK	BLACK
	THICKNESS (Nominal)	MM	0.70	0.72
<b>8</b>	<b>OVER ALL OUTER SHEATH</b>	ST3	PVC	PVC
	COLOUR	BLACK	WHITE	WHITE
	THICKNESS (Nominal)	MM	0.70	0.70

### Registered Office

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