



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

Registered Office

POLYCAB WIRES PVT.LTD. Polycab House,
771, Pandit Satwalekar Marg, Mahim (W), Mumbai 400 016.
Tel. : 91-22-2432 7070 - 4, 6735 1400. Fax : 91-22-2432 7075
E-mail : enquiry@polycab.com Website : www.polycab.com

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