



Wires & Cable



CCTV CONTROL CABLES

RG-59F (Copper) Co-axial +
3Core x 0.5 Sq. mm CCTV Cable

R. S. INDUSTRIES
Anand-388 001, Gujarat (India).



COMPOSITE CCTV CABLE

In our country, there is an increasing concern for security and continuous surveillance is now fast becoming one of the topmost priorities. The notion of round the clock surveillance is finding growing acceptance in the places like industrial areas, commercial and shopping complexes, airports, railway stations, roads etc. This type of surveillance and monitoring is done by installing very sensitive cameras at various locations. These cameras are connected to the data centre with high precision cable circuits for continuous monitoring and recording even the most minute details.

The cables used are of hybrid type with combination of communication and electrical wires. The communication cables are used for recording the images by the camera and to communicate with the data centre. The 2 or 3 number of electric wires in this hybrid type cables are used for powering the cameras. The communication cables are typically like RG 6/ RG 59 or any othertype as perthe customer specification and electric cables are from sizes 0.15 to 2.5 mm² as perthe specifications depending on the load. Neocab has now introduced these wires. Neocab uses the latest technology of gas injected physical foaming for manufacture of co-axial cables which offer low weight and helps loss free signal transmission. The conductor for this cable is of solid bare coppertype which offers low conductor resistance and lower attenuation. This results in better picture quality.

The electric wires in this cable come with annealed bare flexible type copper conductor, insulated with PVC, specially formulated and in house manufactured in addition to being colour coded as per specifications. These insulated cores are laid up along with co-axial cable and further PVC jacketed with black colour. These cables are most suitable for outside application as the PVC Jacket offers UV protection.

RG-59F (Copper) Coaxial + 3 Core x 0.5 Sq. mm CCTV Cable

Construction Parameters: Co-axial	
Inner Conductor	
Material	Solid Bare Copper
Diameter	0.80 mm Nom. (20 AWG)
Dielectric	
Material	Gas Injected Physical Foam Polyethylene
Diameter	3.55 mm Nom.
Shield	
1st Shield	Bonded Aluminium Tape
2nd Shield	Aluminium Alloy Braid
Coverage	Nom. 60%
Jacket	
Material	PVC (Blue/White)
Diameter	5.60 mm Approx.
Bending Radius	65 mm Min.
Electrical Specifications	
Inner Conductor dc Resistance	Max. 3.55 Ω/Km at 20°C
Capacitance (Nom.)	53.0 pF/m
Characteristic Impedance	75 ± 3 ohm
Structural Return Loss	Min. 15 dB @ 1 – 1000 MHz
Nominal Velocity Ratio	85%

Performance	
Frequency	Max. Attenuation (dB/100 m) at 20°C
55 MHz	6.73
187 MHz	11.81
300 MHZ	14.60
550 MHz	19.52
750 MHz	22.87
865 MHz	24.67
1000 MHz	26.64
3 Cores	
Conductor	16 x 0.20 mm bare annealed Copper
Insulation	PVC, Type A Grade Conforming to IS 5831
Diameter	2.00 mm Nom.
Colour Codes	Red, Blue, Yellow
Jacket (Overall)	PVC Type ST1 Grade Conforming to IS 5831
Overall Diameter	9.50 mm Approx.

(1 x RG 59 + 3 x 0.50)

Manufactured by :

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