



CHANNEL TECH[®]

Cables and Wires

*Your
search for
**HIGH
QUALITY
CABLES**
ends here !*



BEST

QUALITY



SUPERIOR

SERVICE



ON-TIME

DELIVERY



CUSTOM

MADE DESIGN



SERVING

SINCE 1985

Connecting India to the Future !

www.channeltech.in

Welcome to the world of Channel Tech Wires & Cables!

Since 1985, Channel Tech is engaged in designing and manufacturing wide variety of wires and cables for applications in diverse industries like Cable TV Networks to Broadcast Studios and Industrial automation to CCTV Surveillance systems.

Worry-Free Wires :

Backed by strong research and development, Channel Tech combines technical expertise and cost efficient technology with superior manufacturing capability to provide customers with cabling solutions for evolving communications networks across India. We can also help our customers in designed customized wires for very specialized applications.

Focus on Quality :

We have recently upgraded our manufacturing plant with sophisticated machinery in our endeavor to provide the best quality solutions for our customers. We understand that the quality of the cable plays a very critical role in the overall solution. We strictly follow the concept of Total quality management and have been awarded ISO 9001 - 2008 certification for our quality system.

On-time Deliveries:

Our highly skilled and experienced engineers work round the clock and truly committed to serve our clients with prompt delivery & best quality.

Customer Service:

The company's customer oriented approach and it's focus in quality and customer contentment has won it a distinguished list of clients. Channel Tech has achieved substantial growth with regard to superior quality of the products and achieved customer satisfaction.

We would look forward to serve you in all your cabling needs!

**CHANNEL TECH : Connecting India to the Future!
Proudly made in India since 1985.**



CCTV Camera Cables

We specialize in manufacturing CCTV Surveillance Cables with crystal clear picture quality and safe and reliable transmission of voice, video and data. These are characterized by Multi-core construction, 75 Ohms Co-axial Cable for Video signal, Flexible wire cores for audio signal & 12 V power supply, used for CC camera & surveillance systems.

We can also design CC TV camera cables as per the clients required combination of audio video wire with other parameters.

RT-3: 3+1



RT-4: 4+1



RT-6: 6+1



**RG-59 + 4 Core
(Single Strand)**



**RG-59 + 3 Core
(Single Strand)**



**RG-59 + 2 Core
(Twin)**



Sr.No.	No.of Cores	No of Strands SWG	Cond. Size mm	Overall dia. mm	Cross sec. Area Sq mm	Max. Conductor Resistance at 20°C
1	3+1	7/36	0.193	6.0	0.2048	127
2	4+1	7/36	0.193	6.2	0.2048	127
3	6+1	7/36	0.193	7.2	0.2048	127
4	3+1	14/38	0.152	6.3	0.2542	81
5	4+1	14/38	0.152	6.4	0.2542	81
6	6+1	14/38	0.152	7.5	0.2542	81
7	3+1	14/40	0.122	6.2	0.164	130
8	4+1	14/40	0.122	6.3	0.164	130
9	6+1	14/40	0.122	6.8	0.164	130



Flat CCTV Cables for Elevators/Lifts

CAT-6 Multi-Strand Flat

Pairs	4 Pairs
Material	Bare Copper (11x38 SWG)
Core Size	0.95 to 1 mm
Colour	White- Green ,White- Brown White- Orange, White- Blue
Outer Material	Special PVC
Colour	Grey Coating



2+2 Flat

Cores	2
Material	Copper (20x38 SWG)
Size	2.4 mm
Colour	Red and Black
Co-Axial	2
Material	Tinned Copper (20x38 SWG) Centre
Shielding	Alloy
Dielectric	LDPE
Colour	Yellow and Green
Outer Material	PVC



2+1 Flat - Gold

Cores	2
Material	Copper (80x40 SWG)
Size	2.4 mm
Colour	Red and Black
Co-Axial	1
Material	Tinned Copper (80x40 SWG) Centre
Shielding	Tinned Copper
Dielectric	LDPE
Outer Material	PVC



2+1+1 Flat : Popular / Gold

Cores	2	Outer Material	PVC
Material	Copper (20x38 SWG)	Multi-Strand	11x38
Size	2.4 mm	Material	BC Copper (11x38)
Colour	Red and Black	Dielectric	LDPE
Co-Axial	1	Pair	1
Material	Tinned Copper (20x38 SWG)	Outer Material	PVC
Shielding	Alloy	Colour	Black Coating
Dielectric	LDPE		



4 Core – 0.75 sq mm Flat

Cores	4 Cores
Material	Bare Copper (0.75 sq mm)
Core Size	0.95 to 1 mm
Colour	Red, Black, Yellow , Green
Outer Material	PVC
Colour	Grey Coating



Fire Alarm / Public Address System Cables

2 Core - 1.5 sq mm - Unarmoured



2 Core - 1.5 sq mm - Armoured



Co-Axial Cables

We manufacture various types of co-axial cables with Centre Conductor : Solid copper , Dielectric : Solid PE or Foam PE, Shielding :Aluminium foil , Braiding : Bare copper or Tin Copper braiding 95% coverage & Sheathing : Overall PVC sheath.

RG-213



RG-214



RG-58



RG-59



RG 6 Alloy/Copper Braided



RG-11



Cable Type	Cond. Size mm	Dia over Dielectric mm	O.D. (Ohms)	Impedance (Ohms)	Attenuation at 200 MHZ (dB/100M)	Max R.F. Operating voltage Kv	Capacitance PF/Ft
RG - 59 B/U	0.60	3.7	6.1	75	16	2.3 mm	21.1
RG - 59/U	0.60	3.7	6.2	75	16	2.3 mm	20.6
RG - 6/U	1.04	4.6	7.0	75	9.0	2.7 mm	20
RG - 11	1.63	7.1	10.3	75	6.0	5.0 mm	20.6
RG - 174/U	7/0.16	1.5	2.5	50	40	1.5 mm	31.5
RG - 58 C/U	19/0.18	2.95	5.0	50	24	1.9 mm	29.6
RG - 213/U (RG - 8A/U)	7/0.71	7.25	10.3	50	12	5.0 mm	31.5
RG - 214/U (RG - 9B/U)	7/0.71	7.25	10.8	50	12	5.0 mm	31.5

Hi-Speed Networking Cables CAT 5e / 6e

The CAT 5e and CAT 6e Networking Cables for optimized for high speed data transmission for digital & analog voice and video signals. These cables operate at band widths up to 100 MHz for Cat 5e and 250 MHz for Cat 6e cables are used comply to the requirements of EIA/TIA 568B.2 specification

CAT 5e 2 Pair



	UTP	UTP Flexible
Specification	2 X 2 X 0.51	2 X 2 X 7 X 0.192
Conductor	Annealed Bare Copper Wire	Annealed Copper Bare Wire
Insulation	0.95mm Polypropylene	0.95mm Polypropylene
Sheathing (Thickness)	0.5mm PVC	0.5mm PVC
Conductor Resistance	18.5 ohms/km	18.5 ohms/km
Cable Attenuation	21 db/100 mtr	22 db/100 mtr
NeXT 100 Mhz	34 db/100 mtr	34 db/100 mtr
Return Loss	23.0 db	23.0 db

CAT 5e UTP / UTP Flexible



	UTP	UTP Flexible
Specification	4 X 2 X 0.51	4 X 2 X 7 X 0.192
Conductor	Annealed Bare Copper Wire	Annealed Copper Bare Wire
Insulation	0.95mm Polypropylene	0.95mm Polypropylene
Sheathing (Thickness)	0.5mm PVC	0.5mm PVC
Conductor Resistance	18.5 ohms/km	18.5 ohms/km
Cable Attenuation	21 db/100 mtr	22 db/100 mtr
NeXT 100 Mhz	34 db/100 mtr	34 db/100 mtr
Return Loss	23.0 db	23.0 db

CAT 6e Super Gigabit UTP



Specification	4 X 2 X 0.51 mm
Conductor	Annealed Bare Copper Wire
Insulation	0.95mm Polypropylene
Sheathing (Thickness)	0.5mm PVC
Conductor Resistance	145 ohms/km
Cable Attenuation	21.7 db/100 mtr
NeXT 100 Mhz	39.9 db/100 mtr
Return Loss	23.0 db

CAT 6e Special SFTP (Armouring+PVC Jacketing)



Specification	4 X 2 X 0.51 mm
Conductor	Annealed Bare Copper Wire
Insulation	0.95mm Polypropylene
Screen	0.5 mm tin copper drain wire and aluminum polyester tape
Sheathing (Thickness)	0.5mm PVC + Extra PVC Jacketing with Armouring
Conductor Resistance	145 ohms/km
Cable Attenuation	21 db/100 mtr
NeXT 100 Mhz	42 db/100 mtr
Return Loss	23.0 db
Armouring	0.9 / 1.0 mm Galvanized Wire
Outer Most Coating	PVC (Black)

Shielded and Unshielded Cables

3 core



8 core



12 core



32 core



No. Of strands SWG	7/38		7/36		14/38		14/36	
Size	26 AWG		24 AWG		23 AWG		21 AWG	
Cross sec. Area sq. mm	0.127		0.2		0.24		0.41	
Max. Resistance (ohm/km)	152.7		94.7		76.4		47.4	
No. of cores ↓	Shielded	Unshielded	Shielded	Unshielded	Shielded	Unshielded	Shielded	Unshielded
2	3.4	3.1	4.4	3.1	5.1	4.9	5.9	5.1
3	3.9	3.6	4.5	3.6	5.2	5.5	6.2	6.0
4	4.7	4.5	5.0	4.4	5.7	5.9	6.4	6.3
5	4.9	4.7	5.3	5.3	6.0	6.3	6.9	6.5
6	5.1	4.9	5.7	5.8	6.4	6.5	7.5	7.0
8	5.9	5.2	6.5	6.0	7.3	7.2	8.3	7.8
9	6.0	5.6	6.8	6.4	7.6	7.5	...	...
10	6.4	5.9	7.0	6.8	8.2	8.0	10.1	...
12	6.8	6.3	7.6	7.3	8.8	8.5	10.5	...
16	7.5	6.8	8.3	8.0	9.5	9.2	11.6	...
18	8.0	7.4	8.6	8.4	9.8	9.6	12.0	...
20	8.5	7.7	9.0	9.0	10.2	10.0	12.6	...
25	9.0	8.3	10.0	...	11.2	...	13.8	...
40	11.0	10.4	...	...	...	...	...	...
50	11.6	11.5	...	...	...	...	...	...

Multi-Core Power Cables

3 core Power Cable



No. Of Strands	Cross sec. Area Sq mm	Size	Conductor Resistance (ohm/ Km) at 20°C	Current carrying capacity	No. of cores		
					2C Outer	3C Dia	4C MM
23/38	0.47	21 Awg	48.4	3.3	5.2	6.0	6.6
23/36	0.67	18 Awg	28.8	5.3	6.0	6.5	7.0
40/36	1.17	16 Awg	16.6	12.0	6.8	7.6	8.2



CHANNEL TECH[®]

Cables and Wires

Our Extensive Range of Products:

- **CCTV Camera Cables**
(RT-3 / RT-4 / RT-6)
- **Flat CCTV Cables for Elevators/Lifts**
(CAT-6 Multi-Stranded Flat Cable / 2+2 Flat / 2+1 Flat / 2+1+1 Flat)
- **Co-Axial Cables**
(RG-6 / RG-11 / RG-59 / RG-213)
- **Hi-Speed LAN Networking Cables**
(CAT 5e / 6e + Armoured)
- **Fire Alarm / Public Address System Cables**
(2 Core Armoured / Unarmoured)
- **Shielded Screened Cables**
(2 Cores to 32 cores with Shielding)
- **Customised / Made to order Cables**

CROWN MAGNET PRODUCTS

📍 210, Bhola Bhagwan Ind. Est., I.B. Patel Road, Goregaon (E), Mumbai - 400 063

☎ 022 2685 4215 / 2685 4351 📞 9326274009

✉ info@channeltech.in

www.channeltech.in 🔍



An ISO 9001:2008 Certified Company