NEO CABLE INDUSTRIES

Safety & Security

For the future

NGO CABLE INDUSTRIES

- Triple Layer Protection
- Flame Retardant
- FRLSH Cable
- More Then Flexibility
- Higher Current-Carrying Capacity
- Energy Efficiency Cable

www.palicab.com

We are what you make us of

We intent to connect you with advancement through our wires n cables which are meant to lighten up all aspects of your life. We are the wires mites of today and the times to come as we have an ever increasing range of products meant for catering your needs and serving your requirements. We believe in providing the best quality at the least competitive prices so as to gain the trust of a lifetime from our customers.

We want to be every where you go

Whether you are switching a light bulb at home or at office, whether you are talking to a loved one over the phone or you are taking the users of our products are most important people they loved by so many and thus they need to be connected to the ones who love them and thus we realise their requirements by offering the best possible solutions for the best prices offered. Thus we always have, focus on providing our customers with quality products which defines strength and durability along with the most important factor of all i.e. Safety.

NGO CABLE INDUSTRIES

How we work // The proccess

Quality Process

We have a vigorous Quality Manual Plan comprising testing of our raw material that comes within our facility with in line checks during production and final testing. The quality manual program is regularly reviewed to upgrade the testing along with regular advancements to avoid any discrepancy.

Our laboratory is well equipped with all advanced instruments to ensure that various tests that are required for different specification are well conducted before cables are cleared for despatch. Each consignment of cables is despatched to the customer with test report results of tests conducted with our in house laboratory. The details of tests conducted on raw material in process and on final stage are given below:- All test are conforming to IS : 694 - 2010.

Raw Material Test

Raw materials are procured from approved vendors. Testing on raw material starts from vendor's the end itself. The raw material is received along with the vendor's test report. The following tests are conducted to review the raw material ourselves and also to verify the vendor's test reports.

1. Conductors

Tests are conducted on conductors as per IS : 8130 : 2013. Apart from these tests, if the customer requires any additional information in the form of any other test we are more than willing to accommodate the requirement.
Conductor Resistance: 100% with the help of Kelvin Double Bridge for wires up to 0.4mm. diameter. Finer wires by sampling of 10% on lot basis. if the customers requires any additional information in the form of any other test we are more than willing to accommodate the requirement
Conductor Elongation: 100% on Tensile Testing machine for wires up to 0.4mm diameter, Finer wires by sampling of 10% on lot basis.

2. P.V.C. Compound

Tests are conducted on PVC Compound are as per IS: 5831: 1984. Apart from these tests, Sample of every consignment is first run on trial basis and following tests are conducted:

Tests

- Insulation Resistance
- Elongation
- Tensile Strength
- Flammability Testing
- High Voltage Test

Instruments

- Megha Ohm Meter
- Tensile Testing Machine
- Thermal Stability
- On line Spark Testers
- High Voltage Tester

In Process Test

1. Conductor Stranding
   - Dimension of Conductor
   - Lay Length & Direction of Lay
   - Surface and Shape of Conductor
   - D.C. Resistance
2. Insulation
   - Dimension of Core
   - Insulation Thickness
   - Eccentricity of Insulation Wall
   - Spark Test
3. Laying of Cores
   - Sequence of Cores
   - Lay Length & Direction of Lay
   - Laid Up Diameter
4. Outer Sheath(PVC Extrusion)
   - Surface Finish
   - Eccentricity of Thickness
   - Overall Diameter
   - Embossing /Printing
   - Ovality of Cable

Routine Test

1. Conductor Resistance Test
2. High Voltage Test (at Room temperature)

Acceptance Test

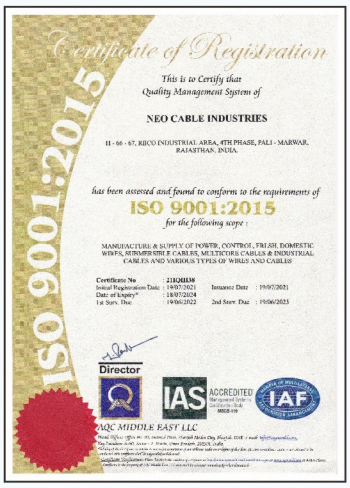
- Conductor Resistance Test
- Annealing Test (For Copper)
- Thickness of Insulation & Sheath
- Tensile Strength & Elongation Test of Insulation & Sheath.
- Shrinkage Test of Insulation & Sheath.
- Hot Deformation Test of Insulation & Outer Sheath.
- Heat Shock Test of Insulation & Outer Sheath.
- Oxygen & Temperature Index Test
- Smoke Density Test
- HCL Gas Generation Test
- Insulation Resistance Test
- Flammability Test
- High Voltage Test (at Room temperature)

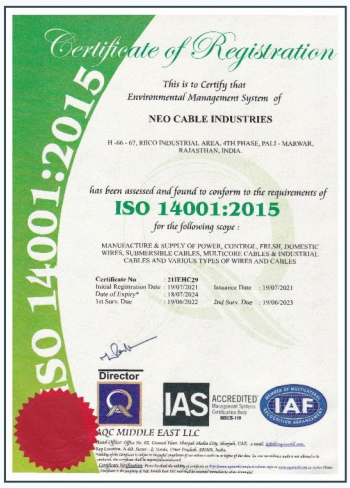
Optional Tests

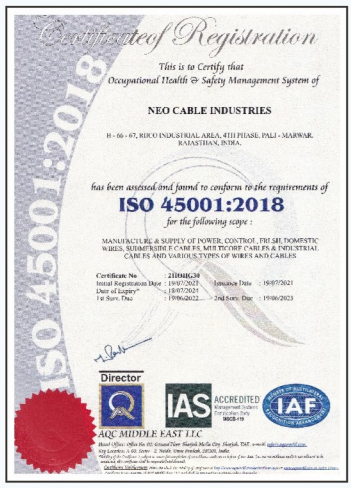
Cold Bend Test.	Cold Impact Test	Additional Ageing Test.

NEO CABLE INDUSTRIES

Acceptance Test // Quality Certifications







IS : 694
CM/L-8506274

ISO 9001:2015

ISO 14001:2015

ISO 45001:2018

RoHS Compliant

CE the European Union

ERDA ERDA

FIA FIRE INSURANCE APPROVED

TAC TARIFF ADVISORY COMMITTEE APPROVED

NTH NATIONAL TEST HOUSE APPROVED

MES MILITARY ENG. SERVICE APPROVED

PwD PWD DEPARTMENT APPROVED

PHED PHED DEPARTMENT APPROVED

RoHS Compliant

Substances such as lead, chromium etc. can be harmful for the environment and dangerous to health. Restriction of Hazardous Substances, commonly referred to as RoHS, is a directive adopted by The European Union restricting the use of specific hazardous materials found in electronics equipment.

D CAB Wires & Cables are certified by the Bureau Veritas for RoHS compliance per directive 2006/95/EC. We are proud towards making our contributions towards an eco-friendly environment.

RoHS Compliant
ECO FRIENDLY

Best Copper Used

D CAB Wires & Cables use ETP grade annealed copper which is more than 99.95% pure and therefor ensures 101% conductivity (IACS)

Annealed Copper ETP Grade
101% Conductivity (IACS) Used

Bare Copper Conductor
More than 99.95%

High Insulation Superior Flexibility

Leakage of current form the live conductor through the insulator is a common problem in all cables. But in case of inferior insulation, the current leakage can increase, causing damage to installations and posing serious threat to life. D CAB Wires & Cables Low Leakage Current wires have a leakage limit, 50 times less than the prescribed international safety norms.

HIR
HIGH INSULATION RESISTANCE

According to the international safety norms, the current leakage limit for hand held equipment is considered safe, if it doesn't exceed 0.75 mA. D CAB Wires & Cables with high quality insulation ensure that the leakage is as low as 0.0 mA. D CAB Wires & Cables have been certified by the Government of India.

Nominal area of conductor	Leakage current (m Amps)
0.75	0.009
1.00	0.009
1.50	0.010
2.50	0.011
4.00	0.013
6.00	0.015

NGO CABLE INDUSTRIES

Single Core PVC Insulated Copper Conductor (Unsheathed) Industrial Cables & House Wire (FR/HR-FR)

Application : Suitable for wiring in all types of residential and commercial infrastructure, where fire and electrical safety is utmost important.

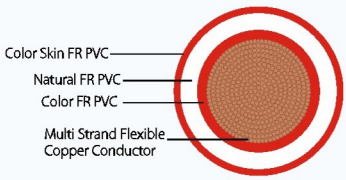
Conductor : Bright Annealed Electrolytic Grade Bare Copper conforming to IS : 8130 specifications.
0.50 Sq. mm to 0.75 Sq. mm cables are made of class 5 conductors.
1.00 Sq. mm to 1.50 Sq. mm & 2.50 Sq. mm cables are made of class 2 conductors.
4.00 Sq. mm to 16.00 Sq. mm cables are made of class 5 conductors.

Insulation : FR Cables will have primary insulation with natural PVC of FR-TYPE A / FR-TYPE D / FR-TYPE C properties & skin coating with coloured PVC compound.

Standard Colours : Red, Yellow, Black, Blue, Green, Gray with tracing. Any other colours can be made on specific order.

Packing : 90 meters coils in cartons. 180, 200, 300 meters coils in poly warp packing for projects.

3-LAYER INSULATION FOR BETTER SAFETY | HEAT RESISTANT AND FLAME RETARDANT CABLE.



Nominal Cross Sectional Area of Conductor	Number / Nom. Dia of Cond. Strands	Thickness of Insulation (Nom)	Approx. Overall Diameter	Current Carrying Capacity 2 Cables Single Phase		Max. Conductor Resistance per KM at 20°C
				Conduit / Trunking	Unenclosed clipped directly to a surface or on cable trays	
Sq. mm	mm	mm	mm	Amps	Amps	Ohms
0.50	16/0.2	0.6	2.20	3	4	39.0
0.75	24/0.2	0.6	2.40	6	7	26.0
1.0	14/0.3	0.6	2.70	11	12	18.1
1.5	22/0.3	0.7	3.00	13	16	12.1
2.5	36/0.3	0.8	3.60	18	22	7.41
4.0	56/0.3	0.8	4.0	24	29	4.95
6.0	84/0.3	0.8	4.90	31	37	3.30
10.0	140/0.30	1.0	6.60	42	48	1.91
16.0	225/0.30	1.0	7.80	54	63	1.21

The number & diameter of conductor strands are for reference only. The actual size may vary. As per IS-694, if the resistance of a cable is within the specified maximum limit then it is accepted as conforming to the nominal cross-sectional area specified for that size.

NGO CABLE INDUSTRIES

Single Core PVC Insulated Copper Conductor (Unsheathed) Industrial Cables & House Wire (FR-LSH/HR FR-LSH)

Application : Suitable for use in conduit and for fixed, protected installation particularly suitable for wiring in fire and explosion prone areas, chemical factories, densely wired areas, public buildings, schools, hospitals, commercial complexes, theaters etc.

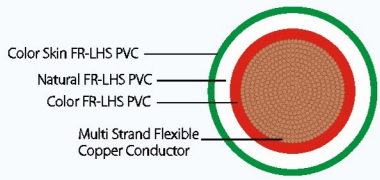
Conductor : Bright Annealed Electrolytic Grade Bare Copper conforming to IS : 8130 specifications.
0.50 Sq. mm to 0.75 Sq. mm cables are made of class 5 conductors.
1.00 Sq. mm to 1.50 Sq. mm & 2.50 Sq. mm cables are made of class 2 conductors.
4.00 Sq. mm to 16.00 Sq. mm cables are made of class 5 conductors.

Insulation : FR Cables will have primary insulation with natural PVC of FR-LSH TYPE D & TYPE C properties and skin coating with coloured PVC compound.

Standard Colours : Red, Yellow, Black, Blue, Green, Gray with tracing. Any other colours can be made on specific order.

Packing : 90 meters coils in cartons. 180, 200, 300 meters coils in poly warp packing for projects.

3-LAYER INSULATION FOR BETTER SAFETY | FLAME RETARDANT LOW SMOKE & LOW HALOGEN CABLE



Nominal Cross Sectional Area of Conductor	Number / Nom. Dia of Cond. Strands	Thickness of Insulation (Nom)	Approx. Overall Diameter	Current Carrying Capacity 2 Cables Single Phase		Max. Conductor Resistance per KM at 20°C
				Conduit / Trunking	Unenclosed clipped directly to a surface or on cable trays	
Sq. mm	mm	mm	mm	Amps	Amps	Ohms
0.50	16/0.2	0.6	2.20	3	4	39.0
0.75	24/0.2	0.6	2.40	6	7	26.0
1.00	32/0.2	0.6	2.70	11	12	19.5
1.50	30/0.25	0.6	3.00	13	16	13.3
2.50	50/0.25	0.7	3.60	18	22	7.98
4.00	56/0.3	0.8	4.10	24	29	4.95
6.00	84/0.3	0.8	4.90	31	37	3.30
10.00	140/0.30	1.0	6.60	42	48	1.91
16.00	225/0.30	1.0	7.80	54	63	1.21

The number & diameter of conductor strands are for reference only. The actual size may vary. As per IS-694, if the resistance of a cable is within the specified maximum limit then it is accepted as conforming to the nominal cross-sectional area specified for that size.

NGO CABLE INDUSTRIES

Single Core PVC Insulated Copper Conductor (Unsheathed) Flexible Industrial Cables

Application : Suitable for wiring in all types of residential and commercial infrastructure, where fire and electrical safety is utmost important.

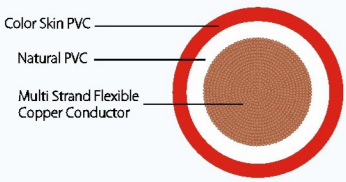
Conductor : Class 5 Bright Annealed Electrolytic Grade Bare Copper conforming to IS : 8130 specifications.

Insulation : Uni-colour TYPE D PVC as per IS : 5831

Standard Colours : Red, Yellow, Black, Blue, Green, Gray with tracing. Any other colours can be made on specific order.

Packing : 100, 200, 300 meters coils in poly warp packing for projects.

2-LAYER INSULATION FOR SAFETY | MORE FLEXIBILITY | NON-TOXIC AND NON-CORROSIVE



Nominal Cross Sectional Area of Conductor	Number / Nom. Dia of Cond. Strands	Thickness of Insulation (Nom)	Approx. Overall Diameter	Current Carrying Capacity 2 Cables Single Phase		Max. Conductor Resistance per KM at 20°C
				Conduit / Trunking	Unenclosed clipped directly to a surface or on cable trays	
Sq. mm	mm	mm	mm	Amps	Amps	Ohms
0.50	16/0.2	0.6	2.20	5	5	39.0
0.75	24/0.2	0.6	2.40	8	8	26.0
1.00	32/0.2	0.6	2.70	13	14	19.5
1.50	30/0.25	0.6	3.00	17	20	13.3
2.50	50/.025	0.7	3.60	24	26	7.98
4.00	56/0.30	0.8	4.10	30	30	4.95
6.00	84/0.30	0.8	4.90	32	38	3.30
10.00	80/0.40	1.0	6.60	42	48	1.91
16.00	126/0.40	1.0	7.80	54	63	1.21

The number & diameter of conductor strands are for reference only. The actual size may vary. As per IS-694, if the resistance of a cable is within the specified maximum limit then it is accepted as conforming to the nominal cross-sectional area specified for that size.

NGO CABLE INDUSTRIES

Single Core PVC Insulated Copper Conductor (Unsheathed) Flexible Industrial Cables

Application : Suitable for wiring in all types of residential and commercial infrastructure, where fire and electrical safety is utmost important.

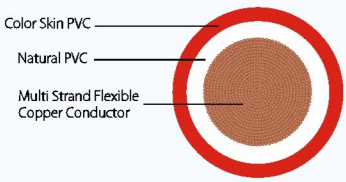
Conductor : Class 5 Bright Annealed Electrolytic Grade Bare Copper conforming to IS : 8130 specifications.

Insulation : Uni-colour TYPE D PVC as per IS : 5831

Standard Colours : Red, Yellow, Black, Blue, Green, Gray with tracing. Any other colours can be made on specific order.

Packing : 100, 200, 300 meters coils in poly warp packing for projects.

2-LAYER INSULATION FOR SAFETY | MORE FLEXIBILITY | 100% BUNCHED COPPER CONDUCTOR



Nominal Cross Sectional Area of Conductor	Number / Nom. Dia of Cond. Strands	Thickness of Insulation (Nom)	Approx. Overall Diameter	Current Carrying Capacity 2 Cables Single Phase		Max. Conductor Resistance per KM at 20°C
				Conduit / Trunking	Unenclosed clipped directly to a surface or on cable trays	
Sq. mm	mm	mm	mm	Amps	Amps	Ohms
25.00	196/0.40	1.2	9.40	68	80	0.780
35.00	276/0.40	1.2	10.80	82	103	0.554
50.00	396/0.40	1.4	12.80	114	138	0.386
70.00	356/0.50	1.4	15.50	214	215	0.272
95.00	484/0.50	1.6	18.00	260	260	0.206
120.00	608/0.50	1.6	20.00	305	305	0.161
150.00	750/0.50	1.8	22.00	355	355	0.129
185.00	925/0.50	2.0	24.50	415	415	0.106
240.00	1221/0.50	2.2	27.80	500	500	0.0801

The number & diameter of conductor strands are for reference only. The actual size may vary. As per IS-694, if the resistance of a cable is within the specified maximum limit then it is accepted as conforming to the nominal cross-sectional area specified for that size.

NGO CABLE INDUSTRIES

Three Core Flat PVC Insulated Copper Conductor & Submersible Cables

Application : These flat submersible cables are used to connect the underwater submersible pump set with supply lines for agriculture, irrigation, domestic installation, power supply and other applications. The, submersible cable is a specialized product and is used for submersible pumps in deep wells. The area of installation is physically restrictive and the environment is very hostile.

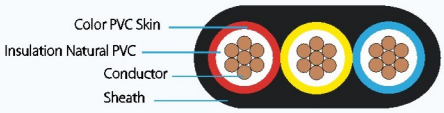
Conductor : Class 5 Bright Annealed Electrolytic Grade Bare Copper conforming to IS : 8130 specifications.

Insulation : Unicolour TYPE A / TYPE D PVC as per IS : 5831.

Standard Colours : Black ST-3, PVC as per IS-694.

Packing : Supplied in 500 meters length (+/-5% length tolerance) in wooden drums.

2-LAYER INSULATION FOR SAFETY | EXCELLENT ELECTRICAL & MECHANICAL PROPERTIES.



Nominal Cross Sectional Area of Conductor	Number/ Nomi. Dia of Cond. Strands	Thickness of Insulation (Nom.)	Nominal Thickness of Sheath Three Core	Approx. Overall Dimension	Conduit/ Trunking	Voltage Drop/ Amps / Meter		Max. Conductor Resistance per KM at 20°C	
				Three Core (W X H)		DC or Single Phase AC	3 Phase AC	Class-5	Class-2
Sq. mm	mm	mm	mm	mm	Amps	mV	mV	Ohms	Ohms
0.50	16/0.20	0.6	0.9	8.75 x 4.40	4	82	71	39.0	NA
0.75	24/0.20	0.6	0.9	9.40 x 4.65	7	55	47	26.0	NA
1.00	32/0.20	0.6	0.9	10.0 x 4.85	11	42	36	19.50	18.1
1.50	30/0.25	0.6	0.9	10.9 x 5.20	14	30	25	13.30	12.1
2.50	50/0.25	0.7	1.0	12.8 x 5.8	19	17	15	7.98	7.41
4.00	56/0.30	0.8	1.0	15.2 x 7.0	25	10	8.6	4.95	NA
6.00	84/0.30	0.8	1.1	17.9 x 7.8	37	7.3	6.04	3.30	NA
10.00	140/0.30	1.0	1.4	23.50 x 9.6	46	4.4	3.08	1.91	NA

The number & diameter of conductor strands are for reference only. The actual size may vary. As per IS-694, if the resistance of a cable is within the specified maximum limit then it is accepted as conforming to the nominal cross-sectional area specified for that size.

NGO CABLE INDUSTRIES

Multi Core Round PVC Insulated Copper Conductor & Flexible Industrial Cables

Application : Multi core flexible cables with copper conductor for various industrial and domestic applications like electrically operated Machines & Equipment's (eg. Air-Conditioners/ Refrigerators/motors etc.) Multi core round PVC insulated industrial grade copper conductor and FR PVC sheathed flexible cables, 1.1kv as per IS:694. The sheathing material provides resistance to oil, and moisture and superior mechanical strength without losing its flexibility. These cables can also be made available with FR-LSH & HR-FR compound on request.

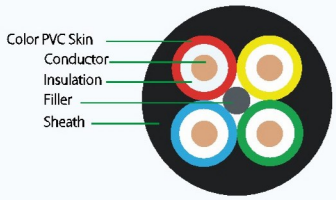
Conductor : Class 5 Bright Annealed Electrolytic Grade Bare Copper conforming to IS : 8130 specifications.

Insulation : Unicolour TYPE A / TYPE D PVC as per IS : 5831.

Standard Colours : Black ST-3, PVC as per IS-694.

Packing : Supplied in 100 meters length & in bigger packages on request . Any colour on specific request can be supplied.

2-LAYER INSULATION FOR SAFETY | HIGHLY FLEXIBLE IN NATURE FELICITATE EASY HANDLING AT SITE



Nominal Cross Sectional Area of Conductor	Insulation			Normal Thickness of Sheath			Overall Dia. of Cable (App.)			Current Carrying Capacity at 40°C	Max. Conductor Resistance per KM at 20°C
	Number/ Size of Wires for each Core	Thickness (Nom.)	Core Dia Approx	2 Core	3 Core	4 Core	2 Core	3 Core	4 Core		
Sq. mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Amps	Ohms
1.00	32/0.20	0.6	2.60	0.9	0.9	0.9	7.2	7.8	8.5	12	19.5
1.50	30/0.25	0.6	2.90	0.9	0.9	1.0	8.0	9.0	10.0	15	13.3
2.50	50/0.25	0.7	3.55	1.0	1.0	1.0	9.0	9.5	11.0	19	7.98
4.00	56/0.30	0.8	4.00	1.0	1.0	1.0	10.5	11.5	12.5	27	4.95
6.00	84/0.30	0.8	5.15	1.1	1.2	1.2	12.9	13.7	15.1	32	3.30
10.00	80/0.40	1.0	6.45	1.3	1.4	1.4	15.9	17.2	18.9	43	1.91

The number & diameter of conductor strands are for reference only. The actual size may vary. As per IS-694, if the resistance of a cable is within the specified maximum limit then it is accepted as conforming to the nominal cross-sectional area specified for that size.

NGO CABLE INDUSTRIES

Coaxial Jelly Flooded Cable (RG6)

Application : High quality co-axial for cable TV network for notch free attenuation values over wide range of frequencies. The special jacketing offers increased life even in rugged conditions.

Conductor : The central conductor is made of solid electrolytic grade annealed plain copper conductor, which has distinct advantages over traditional copper conductor.

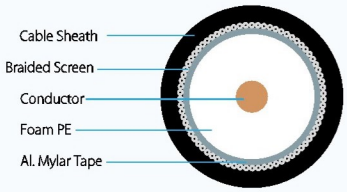
Insulation : The insulation provided over the conductor is of foam PE which acts as a dielectric.

Screen : Aluminium Mylar tape is provided over the insulated conductor to shield the conductor and ensure disturbance free transmission of signals

Braiding : The braiding is generally provided with 60% coverage of Annealed Tinned Copper/ Alloy.

Packing : 100 meters length (+/-5% length tolerance) in wooden drums.

HIGH LEVEL OF PICTURE & SOUND QUALITY | VERY LOW ATTENUATION OR SIGNAL LOSSES



Construction Details		Cable Type
		RG6
Inner Conductor		Copper
Nominal Diameter (mm)		1.02
Dielectric		Foam PE
Nominal Diameter (mm)		4.5
Outer Conductor	First	Bonded AL Tape
	Second	Tinned Cu/Al Braided
Nominal Coverage (%)		60
PVC Jacket		Black
Nominal Cable Diameter (mm)		7.0

The number & diameter of conductor strands are for reference only. The actual size may vary. As per IS-694, if the resistance of a cable is within the specified maximum limit then it is accepted as conforming to the nominal cross-sectional area specified for that size.

NGO CABLE INDUSTRIES

Computer Internet And Networking Cable
CAT 6/6E

Application : CAT 6a UTP cables are high performance cables used increasingly for modern computer network systems. These cables form the back bone of modern data transmission in industries, residential and commercial infrastructure.

Conductor : Solid bare copper

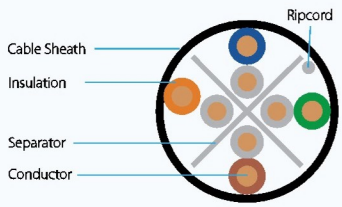
Insulation : High density polyethyene

Pair : 2 Insulated conductors twisted together

Outer Jacket : FR PVC

Packing : Available in easy pull box of 101 mtr. and 305 mtr. for CAT 5e and CAT 6 is available only in 305 mtr. pack

BETTER CROSSTALK & SYSTEM NOISE CHARACTERISTICS | HIGH SPEED DATA ACCESS.



Mechanical and Environmental Properties	
Max. Tensile Load :	10 Kgs. per simplex cable (Installation)
Min Bend Radius :	8 x Outer Diameter (Installation) 4 x Outer Diameter (Operation)
Temp - Installation :	0°C to 50°C
Temp - Operation :	-10°C to +60°C

Electrical Characteristics at 20° C	Specifications	Typical Performance	
		CAT 6	CAT 6a
Conductor loop resistance	Max. 190/100m	140/100m	120/100m
Conductor loop resistance unbalance	Max. 2%	0.5%	0.5%
Dielectric strength	1.0 kV DC or 0.7 kV AC for 1 min.	100% in process test	100% in process test
Insulation resistance	>500 MΩ/km at 100-500V test voltage	>500 MΩ/km	>500 MΩ/km
Capacitance unbalance to earth	Max. 160 pF/100m	40pF/100m	40pF/100m
Velocity of propagation	<534 nsec/100m at 100 MHz	<496 nsec/100m at 100 MHz (NVP for hand held testers = 0.69)	<496 nsec/100m at 100 MHz (NVP for hand held testers = 0.69)
Skew	Max. 40 nsec/100m at 100 MHz	Max. 30 nsec/100m at 100 MHz	Max. 30 nsec/100m at 100 MHz
Mean characteristic impedance	1000 ± 50at 100 Mhz	1000 ± 30 at 100 MHz	1000 ± 30 at 100 MHz
Coupling attenuation up to 1 Ghz	Min. 40 dB	50 dB	50 dB

The number & diameter of conductor strands are for reference only. The actual size may vary. As per IS-694, if the resistance of a cable is within the specified maximum limit then it is accepted as conforming to the nominal cross-sectional area specified for that size.

NGO CABLE INDUSTRIES

CCTV Cable (Camera Cable)

Application : 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.

Conductor : The central conductor is made of fine wires tin coated electrolytic grade copper.

Insulation : The insulation provided over the conductor is of HDPE with high dielectric strength and low capacitance.

Screen : Annealed tin coated copper 85% coverage approx.

Sheath : Black coloured PVC Power Cores.

Separator : PETP tape.

Sheath : PVC

Cable Color : White

Packing : Available in 100 meter packed in carton and 305 meters packed in easy pull box.

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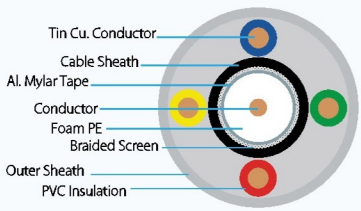

Cable Design Parameters

Cable Type	Cable Size	Approx Cable Diameter	Power Core Color
	Sq. mm	mm	
CCTV Cable 4+1	4C + IC x 0.25	6.0	Red, Yellow, Black, Green
CCTV Cable 3+1	3C + IC x 0.25	6.0	Red, Yellow, Black, Green

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NGO CABLE INDUSTRIES

Speaker Wires Twin Parallel

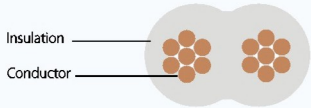
Application : Speaker Cable use to make connection between loudspeaker & audio amplifiers with various sound instrument. In today's construction, The new building code (Like for Airports, Railways Platforms, Auditoriums, Office, High-Rise Apartments & Hospitals, ets.) Installation of speaker cables ensure a clear and distortion free voice with very low dB loss.

Cable Construction: The cables are manufactured with bright annealed plain flexible electrolytic grade copper conductor, bunched compactly, insulated with specially formulated PVC compound. Each core is uniquely designed for easy identification. In order to offer uniform capacitance throughout length the distance between the two conductors is maintained uniformly.

Packing : 100 meters coils in poly warp or jute warp packing.

Cable Color : Twin Flat Transparent . Any other colours can be made on specific order.

UNIVERSAL SPEAKER CABLE FOR ANY APPLICATION | FOR DISCERNING MUSIC-LOVERS & PROFESSIONAL USERS

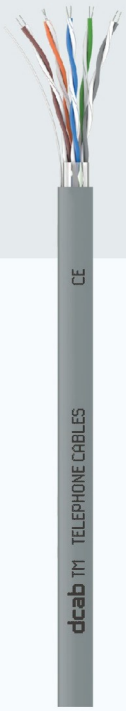


Conductor		Insulation			Web Dimension (W x H)
Size	Max. Conductor Resistance at 20°C Ω	Thickness of insulation (Nom.)	Width	Hight	
Sq. mm	km.	mm	mm	mm	mm
0.50	39.00	0.60	4.30 x 2.10	4.30 x 2.10	4.30 x 2.10
0.75	26.00	0.60	4.60 x 2.28	4.60 x 2.28	4.60 x 2.28
1.00	18.1	0.70	5.40 x 2.70	5.40 x 2.70	5.40 x 2.70
1.50	12.1	0.80	6.40 x 3.18	6.40 x 3.18	6.40 x 3.18

The number & diameter of conductor strands are for reference only. The actual size may vary. As per IS-694, if the resistance of a cable is within the specified maximum limit then it is accepted as conforming to the nominal cross-sectional area specified for that size.

NGO CABLE INDUSTRIES

Telephone & Switchboard Cables



Application : Cables used for Indoor Telephones, Telephone Exchanges, Industrial Plant Communication System, EPBAX Systems, Closed Circuit Security Systems, In-House Telephone wiring & various other equipments involving telephones.

Conductor : The conductor is made of 99.97% pure solid electrolytic grade copper confirming to IS 1830:2013 of 0.4, 0.5, 0.6, 0.7 dia.

Insulation : Premium quality grade polyethylene used for insulation with several online testing equipments.

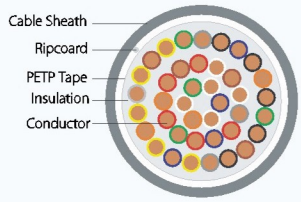
Rip Cord : A synthetic nylon rip cord is provided in order to safely peel off the jacket without damaging the cores.

Sheath : The The laid up pairs are jacketed with special Flame Retardant (FR) compound to resist fire.

SUITABLE FOR OUTDOOR ABOVE GROUND APPLICATION | HIGH SPEED TRANSMISSION OF VOICE

ELECTRICAL PARAMETERS

Conductor Resistance	: 92.20 ohm / km max at 20°C
Mutual Capacitance	: 50 nF / km max.
Insulation Resistance in Air	: 10000 M-ohm / km min.
Capacitance Unbalance – pair to pair	: 230 pF / 100m max.
Capacitance Unbalance – pair to ground	: 330 pF / 100m max.
Resistance Unbalance	: 2.5% max.



Conductor Parameters	1 Pairs	2 Pairs	3 Pairs	4 Pairs	5 Pairs	10 Pairs
Conductor (solid annealed bare copper)	0.4mm diameter (nom.) & 0.5mm diameter (nom)					
Insulation Material (0.4 & 0.5 mm dia)	High density polyethylene(HDPE)					
Insulation Thickness (Average) 0.4 mm dia, 0.5mm dia	0.17mm, 0.20mm					
Diameter of insulated Conductor 0.4mm dia, 0.5mm dia	0.74mm, 0.92mm					
Rip cord	Nylon					
Colour Combination	For 0.4mm dia & 0.5mm dia					
1 Pair	--	--	--	--	--	Gray
2 Pairs		--	--	--	--	Gray
3 Pairs			--	--	--	Gray
4 Pairs				--	--	Gray
5 Pairs					--	Gray
6 Pairs						Gray
7 Pairs						Gray
8 Pairs						Gray
9 Pairs						Gray
10 Pairs						Gray

The number & diameter of conductor strands are for reference only. The actual size may vary. As per IS-694, if the resistance of a cable is within the specified maximum limit then it is accepted as conforming to the nominal cross-sectional area specified for that size.

NGO CABLE INDUSTRIES

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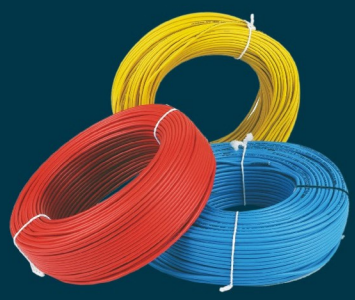

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