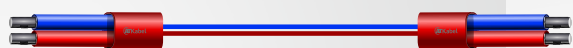




ATKabel®



WIRE & CABLE



ATKabel is a leading manufacturer and supplier of high-quality cables and wires, providing reliable, durable, and innovative solutions for various industries, including construction, telecommunications, energy, and automotive. With a commitment to excellence, our company has established itself as a trusted name in the global market, offering a wide range of products designed to meet the most stringent industry standards.

List of Products

Quality is the Core

House wire & Individual cable-Flexible
Aluminium Wires / Cables
Multicore Cable

0.5 to 300sq. mm
1.5 to 50sq. mm
0.5 to 4sq. mm

LV Power & Control Cable 1100V
PVC Copper & Aluminium Conductor
Heavy Duty

1.5 to 50sq. mm

Co-Axial Cables
High Temperature Cable
CCTV Composite Cables
Computer Lan Cables

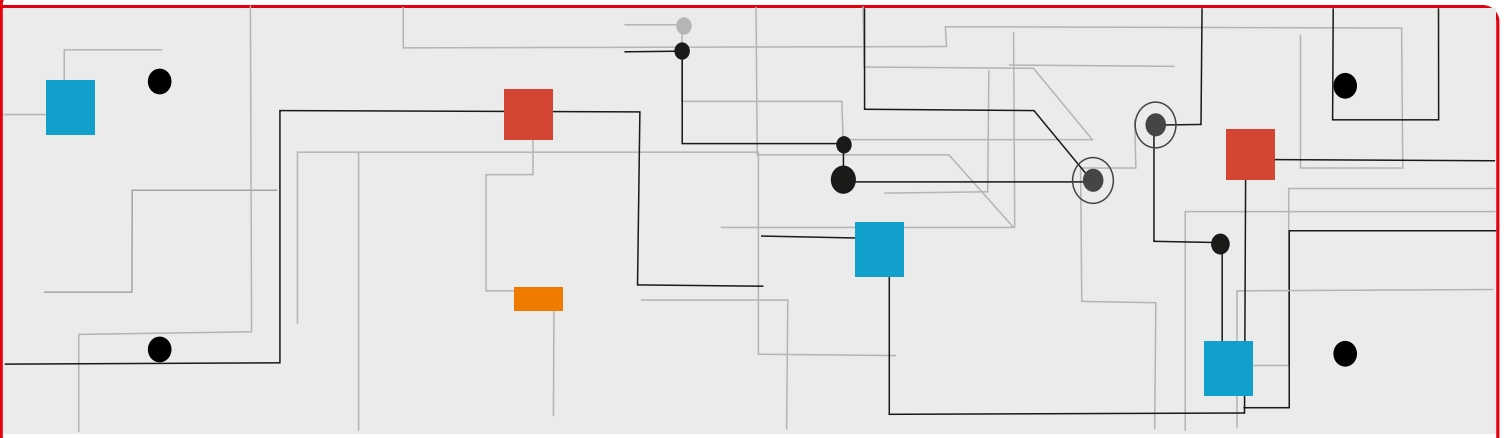
RG-6, 11, 58, 59, 174, 213, 217, 316
PTFE, K,J, E, T Type
2+1, 3+1 & 4+1
Cat-5e, Cat-6 UTP, STP

High Power Cable XLPE Insulated
Single Core

0.5 to 300sq. mm

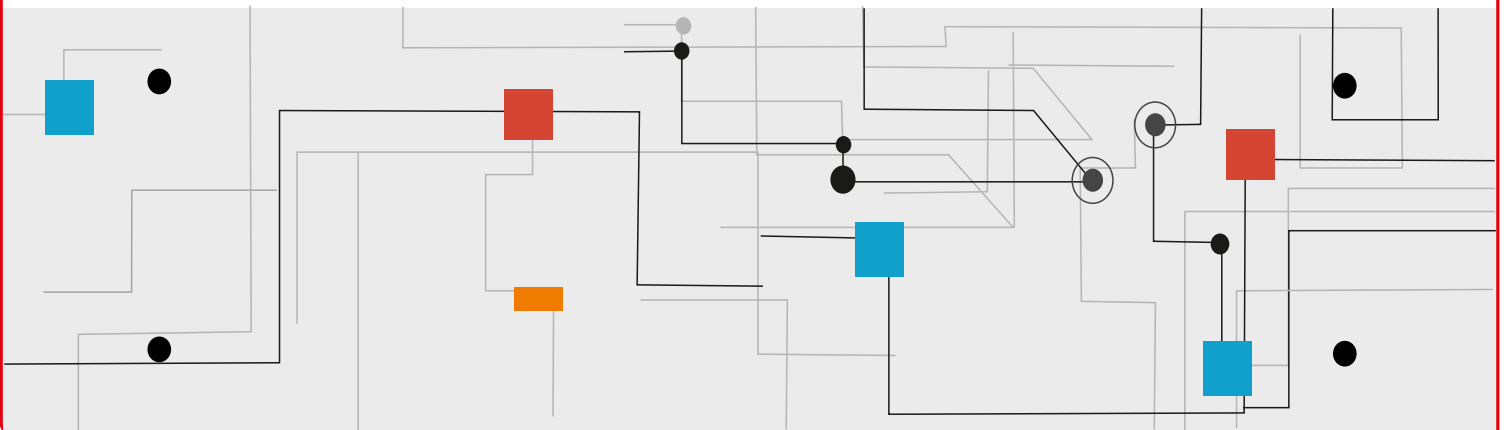
Multipair Individually foil screened Cable
Multipair Overall foil Screened Cable
Multipair Individually Screened Cables
Multipair Unscreened and screened cable
Single pair Unscreened Cable
Miniature pair Screened Cable
Flat Modular Cable
PVC Drop wire
Screen Braided Cable
Solar Cable
Scada cable / RS-485 Cables
Cable Assembly

24AWG, 2 Pair, 3 Pair, 4 Pair
24AWG, 1 to 15 Core
24AWG, 2Pair, 3 Pair
24AWG, 2 to 36 Core
22AWG, 1 Pair
18, 20, 22 AWG
26AWG, 4,6,8Core
2 Core
0.2 to 150sq. mm
1.5 to 06sq. mm
0.2 to 1.5sq. mm
As per custom Design



About AT KABEL

AT Kabel is one of the renowned manufacturers of cables in the Cable Industry in India. Our range encompasses a large variety of wires & cables including Flexible Cables, Control & Power Cables (Unarmored & Armoured), Telephone Cables (Unarmoured & Armoured), Submersible Cables, Data Flow Cables, Instrumentation Cables, Coaxial Cables, Compensating cables and FRLS cables. Our Quality Assurance department performs regular checks on quality of cables online & offline. AT Cables has established a favorable image in the eyes of people for reliability and commitment.



Quality is the Core

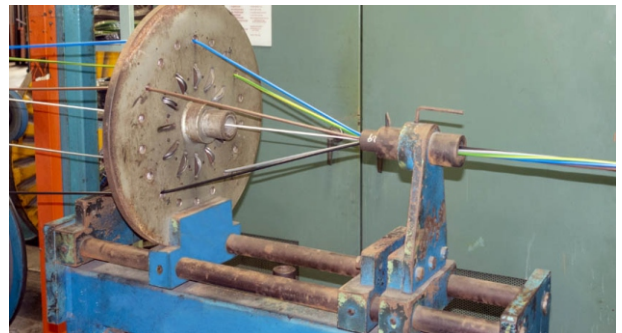
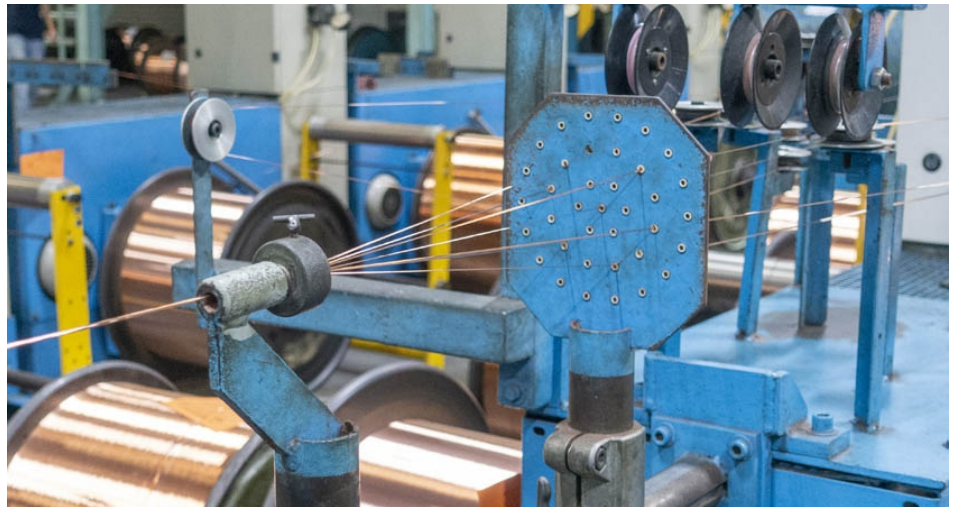
AT Wires and Cables always aims to achieve satisfaction of customer, for the AT Kabel has up-to-date laboratory facilities and manufactures a wide range of Domestic and Industrial Wires for various applications.

AT uses 99.997% pure ETP grade copper and high quality flame retardant raw material compounds for superior insulation.

AT has a hi-tech manufacturing setup comprising setup comprising of a fully automated and sophisticated production facility with German machinery for Online Annealing, Uniform Bunching/ Insulation with HV testing

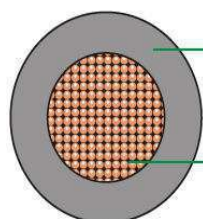
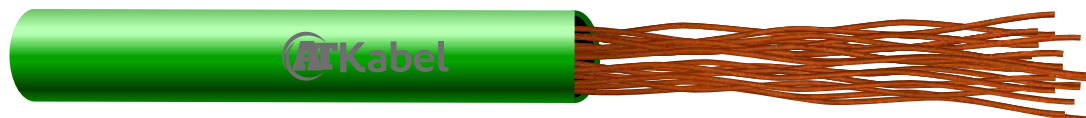
AT is equipped with a full-fledged testing laboratory complying with stringent quality benchmarks as per UL, BIS & IEC standards which ensures consistent quality, highly durable and world class wires.

AT also specializes in custom-built wires & cables and is a preferred supplier to many leading OEM's and automotive component manufacturers around the world.



House Wire & Industrial Cable

High Quality Cables for House hold and commercial use. Suitable for fixed wiring, flexible operation and for use on AC single phase systems for rated up to and including 1100 Volts and DC systems for rated voltage up to and including 1500 Volts to earth.



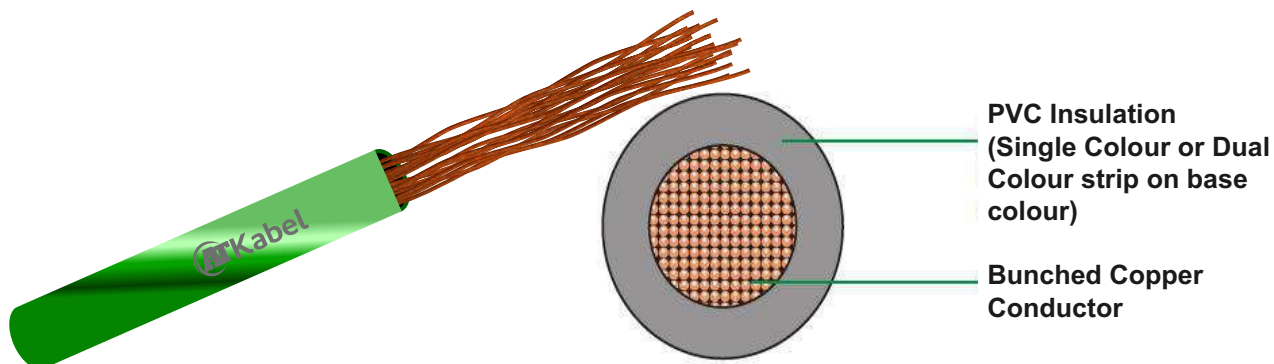
PVC Insulation
(Single Colour or Dual
Colour strip on base
colour)

Bunched Copper
Conductor

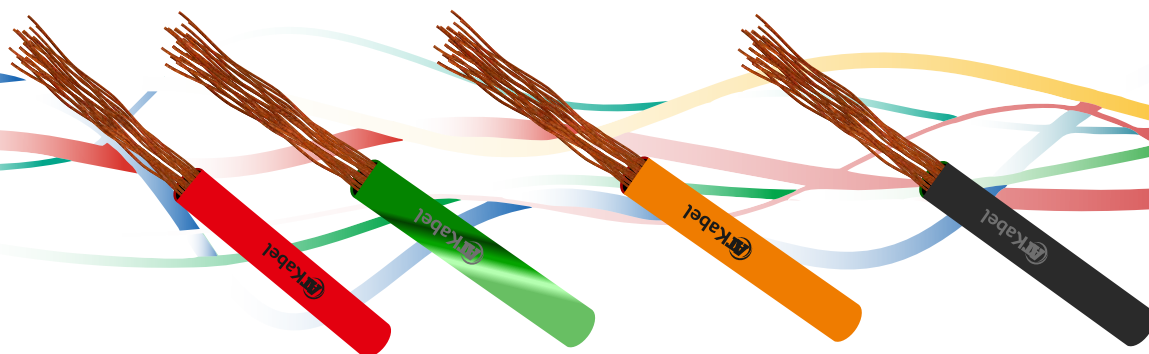
**PVC Insulated single core Unsheathed Industrial
(Flexible-Multistrand Class-5) Cables PVC/FR/FRLS
with bright annealed electrolytic bare copper
conductor for voltage grade upto 1100 Volts**

Conductor Area	Conductor Construction	DC Resistance	Insulation Thickness	Overall Diameter	Current Carrying Capacity
Sq. mm (nom)	mm (No./dia)	0hm/km (max)	mm (nom)	mm (max)	Ampere
0.5	16/0.20	39.0	0.60	2.6	5
0.75	24/0.20	26.0	0.60	2.8	8
1.0	32/0.20	19.5	0.60	3.0	13
1.5	30/0.25	13.30	0.70	3.4	17
2.5	50/0.25	7.98	0.80	4.1	24
4	56/0.30	4.95	0.80	4.8	30
6	84/0.30	3.30	0.80	5.3	38
10	80/0.40	1.91	1.0	7.0	52
16	126/0.40	1.21	1.0	8.1	70
25	196/0.40	0.780	1.2	10.2	88
35	276/0.40	0.554	1.2	11.7	110
50	396/0.40	0.386	1.4	13.9	145
70	354/0.50	0.272	1.4	16.0	215
95	484/0.50	0.206	1.6	18.2	260
120	608/0.50	0.161	1.6	20.2	305
150	750/0.50	0.129	1.8	22.5	355
185	925/0.50	0.106	2.0	24.9	415
240	1210/0.50	0.0801	2.20	28.4	500
300	1527/0.50	0.0641	2.40	31.0	585

**PVC Insulated single core Unsheathed Industrial with rigid conductor
(Class-2) Cables PVC/ FR/FRLS with bright annealed electrolytic bare
copper conductor for voltage grade upto 1100 Volts**



Conductor Area	Conductor Construction	DC Resistance	Insulation Thickness	Overall Diameter	Current Carrying Capacity
Sq. mm (nom)	mm (No./dia)	0hm/km (max)	mm (nom)	mm (max)	Ampere
0.5	1/0.79	36.0	0.60	2.3	5
0.75	1/0.96	24.5	0.60	2.5	9
1.0	1/1.13	18.1	0.60	2.7	12
1.5	7/0.53	12.1	0.70	3.3	16
2.5	7/0.53	7.41	0.80	4.0	22
4	7/0.67	4.61	0.80	4.6	29
6	7/1.04	3.08	0.80	5.2	37
10	7/1.35	1.83	1.0	6.7	45
16	7/1.70	1.15	1.0	7.8	60
25	7/2.14	0.727	1.2	9.7	75
35	7/2.52	0.524	1.2	10.9	95
50	19/1.78	0.387	1.4	12.8	125
70	19/2.14	0.268	1.4	14.6	170
95	19/2.52	0.193	1.6	17.1	210
120	37/2.03	0.153	1.6	18.8	235
150	37/2.25	0.124	1.8	20.9	295



Aluminium Wires/Cables

**PVC Insulated single core Unsheathed Industrial with rigid conductor
(Class-1/2) Cables PVC/ FR/FRLS with bright Aluminium
conductor for voltage grade upto 1100 Volts**



Conductor Area	Conductor Construction	DC Resistance	Insulation Thickness	Overall Diameter	Current Carrying Capacity
Sq. mm (nom)	mm (No./dia)	Ohm/km (max)	mm (nom)	mm (max)	Ampere
1.5	1/0.53	18.1	0.70	3.3	12
2.5	7/0.67	12.1	0.70	4.0	17
4	7/0.85	7.41	0.80	4.6	23
6	7/1.04	4.61	0.80	5.2	29
10	7/1.35	3.08	1.0	6.7	40
16	7/1.70	1.91	1.0	7.8	54
25	7/2.14	1.20	1.2	9.7	69
35	7/2.52	0.868	1.2	10.9	83
50	19/1.78	0.641	1.4	12.8	105

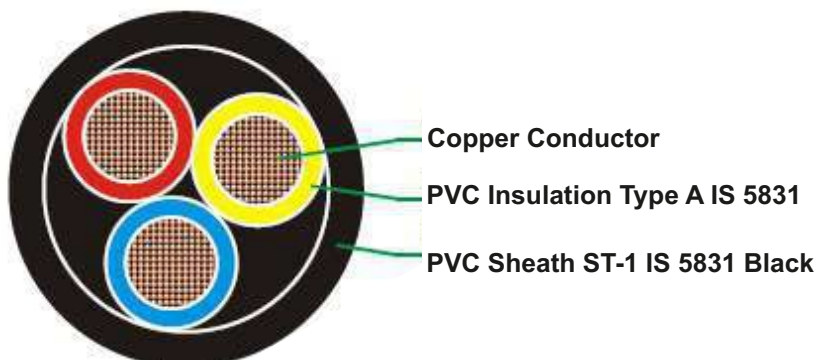
Other size also available on demand

Multicore Cable

PVC Insulated & PVC Sheathed Copper Flexible Multicore Cables (YY)



Conductor Area	Conductor Construction	DC Resistance	Insulation Thickness	Sheath thick (nom)	Overall Diameter Mm (approx)			Current Carrying Capacity
Sq. mm (nom)	mm (No./dia)	0hm/km (max)	mm (nom)	mm	2 Core	3 Core	4 Core	Ampere
0.5	16/0.20	39.0	0.6	0.9	6.50	6.85	7.45	3
0.75	24/0.20	26.0	0.6	0.9	7.00	7.40	8.05	6
1.00	32/0.20	19.5	0.6	0.9	7.30	7.75	8.45	10
1.50	48/0.20	13.30	0.6	0.9	7.80	8.25	9.25	15
2.50	80/0.20	7.98	0.5	0.9	9.40	10.0	10.95	20
4.00	56/0.20	4.95	0.7	1.0	10.75	11.5	12.65	25



LV Power & Control Cable 1100V

PVC Copper & Aluminium Conductor Heavy Duty

Single & Multicore & Aluminium Armoured & Unarmoured Indoors or Outdoors in cable ducts, cable trays, conduits or underground locations under mechanical stresses in power and switching stations. Local distribution systems, Industrial and Commercial units for basic power & lighting purpose.



Power Cables Conforming To IS: 1554 (Part I) Amended UPTO Date

S.No.	Cable Type	Sizes
1	1.1 kV Single Core, Aluminium/Copper Conductor, PVC Insulated Aluminium Wire /Strip Armoured/Un-Armoured & PVC Sheathed Cables	1.5 sq. mm to 1000 sq. mm
2	1.1 kV Twin Core Aluminium Conductor, PVC Insulated, Inner Sheathed, Armoured/Unarmoured PVC Sheathed Cables	1.5 sq. mm to 500 sq. mm
3	1.1 kV Three Core, Aluminium/Copper Conductor, PVC Insulated, Inner Sheathed, Armoured/Unarmoured PVC Sheathed Cables	1.5 sq. mm to 500 sq. mm
4	1.1 kV 3.5 Core, Aluminium/Copper Conductor, PVC Insulated Inner Sheathed, Armoured/Unarmoured PVC Sheathed Cables	25 sq. mm to 500 sq. mm
5	1.1 kV Four Core, Aluminium/Copper Conductor, PVC Insulated Inner Sheathed, Armoured/Unarmoured PVC Sheathed Cables	1.5 sq. mm to 400 sq. mm
Control Cables Conforming To IS: 1554 (Part I) Amended UPTO Date		
6	1.1 kV, Annealed High Conductivity Solid Copper Conductor, 1.5 & 2.5 Sq.mm PVC Insulated Inner Sheathed, Armoured/Unarmoured PVC Sheathed Control Cables	2 Core to 61 Core
<i>Note: All these size also available in XLPE Insulated & PVC Sheathed as per IS:7098 Part 1</i>		



Area	Twin Core	3, 3.5 & 4 Core	Area	Twin Core	3, 3.5 & 4 Core
Sq. mm	Amp.	Amp.	Sq. mm	Amp.	Amp.
1.5	20	17	70	195	165
2.5	27	24	95	230	200
4.0	35	30	120	265	235
6.0	45	39	150	305	265
10.0	60	52	185	350	305
16.0	78	66	240	410	355
25.0	105	90	300	465	400
35.0	125	110	400	530	455
50.0	155	135	-	-	-

Co-Axial Cables

Coaxial cables offer excellent resistance to heat shocks and is thereby suitable for high-speed winding. We manufacture these with the specifications given by the clients. Our quality experts make sure that our range is free from any kind of defects and ideal for use. Furthermore, we meet the bulk demand of our clients within the committed time frame.

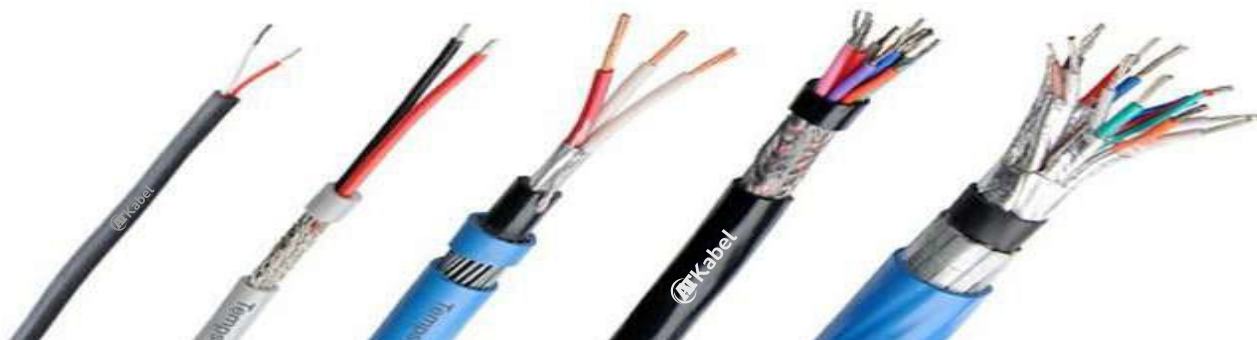


Type	Center Conductor	Outer Conductor	Insulation/ Sheath	Outer Diameter	Impedance
RG-6	1.02mm/18AWG ABC/CCS	34AWG Alu alloy shield with 60%	Gas Inj. Foam PE/ PVC UV Resistant	6.90mm (approx)	85+/-3 0hm
RG-11	1.63mm/14AWG ABC/CCS	34AWG Alu alloy shield with 60%	Gas Inj. Foam PE/ PVC UV Resistant	10.30mm (approx)	75+/-3 0hm
RG-58	0.57mm/23AWG ABC/CCS	0.12mm ABC shield with 65%	Gas Inj. Foam PE/ PVC UV Resistant	4.95 (approx)	50+/-2 0hm
RG-59 (B/U)	0.81mm/20AWG ABC/CCS	0.12mm ATC shield with 93%	Gas Inj. Foam PE/ PVC UV Resistant	6.10mm (approx)	75+/-3 0hm
RG-174	0.50mm/ ABC	0.102mm ABC shield with 65%	Foam PE/PVC UV Resistant	2.85+/-0.15mm	50+/-2 0hm
RG-213/U (RG-8A/U)	7/0.75mm ABC	0.180mm ABC shield with 95%	Foam PE/PVC UV Resistant	10.29+/-0.15mm	50+/-2 0hm
RG-217 A/U	2.69+/-0.03 ABC	0.180mm ABC Double Shield	Foam PE/PVC UV Resistant	13.84+/-0.25mm	50+/-2 0hm
RG-316	7/1.70 SPC	0.102mm SPC shield 95%	PTFE/FEP	2.50+/-0.05mm	50+/-2 0hm



High Temperature Cable

AT cables has designed a specialized range of High Temperature Cables which is available in many configuration and gauge sizes for power or control applications commonly used in Electric arc furnaces, Refineries, Casting furnaces, Weld robotic cells, Blast furnaces, Die cast plants, Utility power stations, fire protection equipment, Plastic molding plants, Food industry professional, These cables can withstand applications in continuous heat, extreme heat or flash heat.



Thermocouple Wire & Cables

Type E: (Chromel Constants),

Type J: (Iron/Constantan),

Type K: (Chromel/ Alumel),

Type T: (Copper/ Constantan)

Grade	Type of Wire	Temp. Range	Standard Grade
E	Chromel/Constantan	-200 to 870	+/-3.1 (1.7) or +/-0.5
J	Iron/Constantan	0 to 760	+/-4 (2.2) or +/-0.75
K	Chrome/Alumel	-200 to 1260	+/-4 (2.2) or +/-0.75
T	Copper/Constntan	-200 to 370	+/-1.8 (1) or +/-0.75

PTFE Cables

Conductor	Silver Plated Copper or Nickel Plated Copper and Bare Copper Wire
Insulation	PTFE Wrap Insulation
Properties	Resistance to fire, Chemicals, Acids, sunlighr, moisture and corona
Voltage Grade	250V/ 600V/1000V or as per customer requirement
Temperature	-65deg C to +260deg C
Color	All electronics colors
Jacket	PTFE, Fiber Glass, asbestos, PVC or as per customer

PTFE Cables

Themocouple Extension wire is used to extend the signal from a probe to instrument such as controller or recording devices. Often times, multi pair thermocouple extension cables are preferred in these applic- ations, Extension wire is designated by an X after the ANSI thermocouple type i.e. BX, EX, JX, KX, SX, TX.

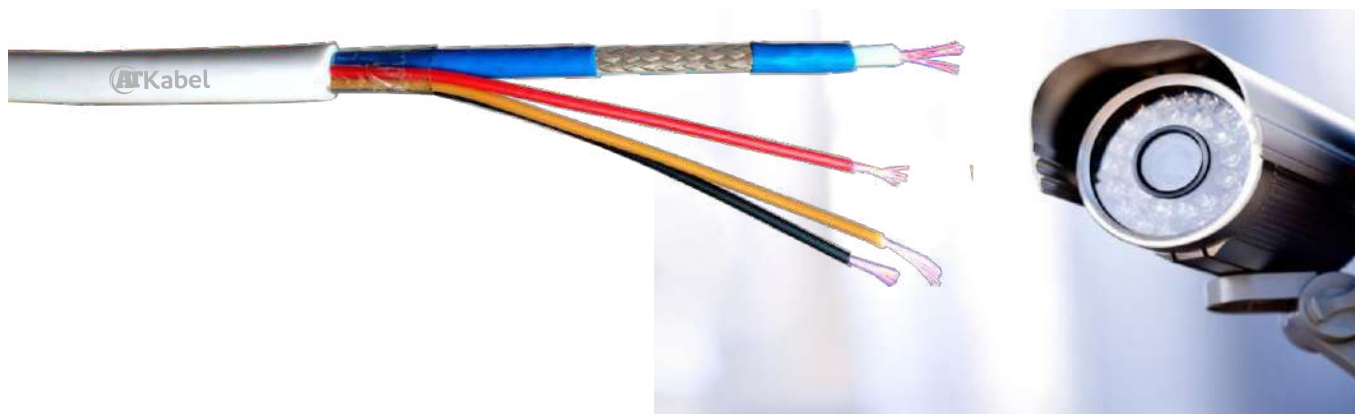
Type of Wire	Temp. Range	Standard Grade
TX	0 to 100	+/-1.8 (1)
JX	0 to 200	+/-4 (2.2)
EX	0 to 200	+/-3.1 (1.7)
KX	0 to 200	+/-4 (2.2)
NX	0 to 200	+/-4 (2.2)
RX	0 to 200	+/-9 (5)
SX	0 to 200	+/-9 (5)
BX	0 to 200	+/-6.7 (3.7)

CCTV Composite Cables

24AWG Center Copper Conductor PE Dielectric, 60% ABC/Alloy braiding PVC ST-1 75 Ohm Coaxial Cable with 26AWG Copper Conductor 1/2/3/4/5/6 PVC Insulated Core and Overall PVC ST-1 Sheathed Composite Cable.

- High-definition 26AWG and low capacitance precision video coax 75 Ohm delivers crystal clear video & error free data transmission.
- 26AWG power wires with earth ground are ideal for preventing voltage drops over long cable run.
- Flexible RoHS jackets is durable, yet easy to work with.

Type	Center Conductor-Coaxial	Braiding-Coaxial	Power Cable Conductor	Impedance
3+1 CCTV Cable (cb)	ABC-24 AWG	ABC-60%	ABC-26 AWG	75+/-4 Ohm
4+1 CCTV Cable (cb)	ABC-24 AWG	ABC-60%	ABC-26 AWG	75+/-4 Ohm
3+1 CCTV Cable (cb)	ABC-24 AWG	Alu-60%	ABC-26 AWG	75+/-4 Ohm
4+1 CCTV Cable (cb)	ABC-24 AWG	Alu-60%	ABC-26 AWG	75+/-4 Ohm



Technical Information			
Coaxial Cable		Power Cable	
Type	75 Ohm	No. of core	
Center Conductor	24 AWG	AWG Size	
Dielectric Material	PE	Insulation	
Braiding	60% ABC/ Alu	color	
Jacket	Type ST-1as per IS-5831:84	Overall	
Jacket Color	Blue(Alu Braided) & Brown (ABC Bried)	Jacket	Type ST-1 AS per IS-5831:84
Nominal Impedance	75 Ohms +/-4	Jacket Color	White
Nominal Capacitance (pF/mtr)	67	Packing	90 Yard/Mte coils
Dielectric Constant	2.3		Other length as per order
Velocity Propagation	66% (nom)		

Computer Lan Cables

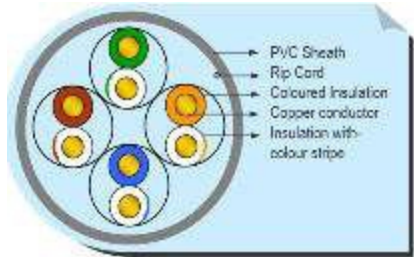
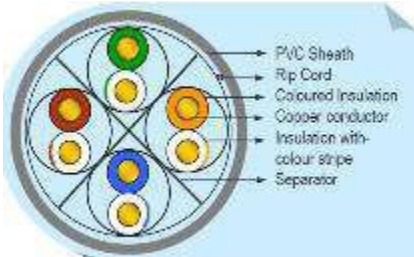
AT Brings to you LAN cables best suited to your specific Applications. The Cables are varified to the performance category 5e/6 requirement to TIA/EIA 568 A & UL 444 FOR Transmission Performance.



AT Lan cables are suitable for Voice, Data, Video and Low Voltage Control, it is suitable for all Lan topologies including Horizontal and Vertical distribution plenum and Riser. The conductor is made of Electrolytic plain annealed solid copper of size 0.5 mm, High quality Polyethylene Insulated with suitable colour code, twisted pair, Unshielded light grey PVC jacketed with improved fire characteristic meeting requirements of IEV -332-high oxygen and temperature index. The ISO 9001 certification ensures the quality of cables and its intended performance.

Salient Features:

Low attenuation and Crosstalk

Type	Construction	Conductor Construction	DC Resistance	Overall Diameter	Available Length:305 Mtr, 100 Mtr and as per customer requirement
CAT-5e UTP CABLE	Solid Bare Copper HDPE Insulated 4 Pair PVC Sheathed LAN Cable	24 AWG Solid	9.38 Ohm/ 100 Mtr (max)	5mm (nom)	
CAT-6 UTP CABLE	Solid Bare Copper HDPE Insulated 4 Pair with cross dummy PVC Sheathed LAN Cable	23 AWG Solid	9.38 Ohm/ 100 Mtr (max)	6mm (nom)	



High Power Cable XLPE Insulated Single Core



Specification:

Rated Voltage	:1100V
Conductor	: Stranded Copper Class-2 (99.9%)
Insulation	: XLPE
Operating Temperature	: 90 deg C
Short Circuit Temperature	: 250 deg C
Ref. Specs	: BS 6862 Part 1, IS-2465, JIS C 3406

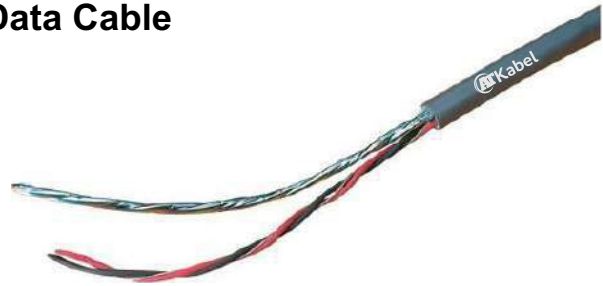
Cross Sectional Area (Sq. mm)	Conductor Construction	Conductor Diameter (mm)	Max DC Resistance Oh/km at 20deg C	Normal Insulation Thickness (mm)	Cable Diameter (approx.) (mm)	Current Rating in Amp
0.5	16/0.20	0.94	39	0.6	2.2	4
1	32/0.20	1.34	19.5	0.6	2.6	11
1.5	30/0.25	1.64	13.3	0.6	2.9	14
4	56/0.30	2.61	4.95	0.8	4.3	26
10	140/0.30	4.6	1.91	1	6.7	45
35	276/0.40	8.7	0.55	1.2	11.3	95
70	360/0.50	12.3	0.27	1.6	15	170
95	485/0.50	14.7	0.21	1.8	17.5	210
120	608/0.50	16.7	0.16	2	19	235
150	750/0.50	18.3	0.13	2	21	295
300	1527/0.50	27.2	0.06	2.4	29.5	475

Multipair Individually Foil Screened Cable

24AWG Multipair Data Cable

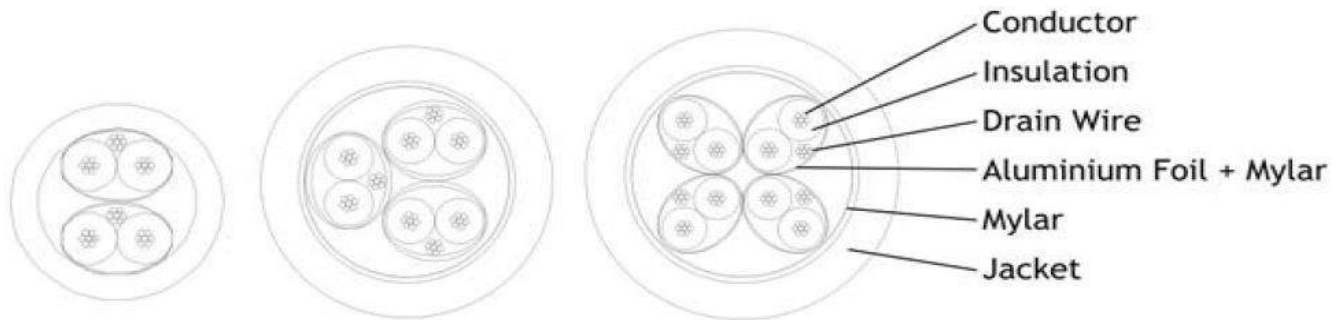
Features:

- 24AWG Stranded ATC Conductor
- Individually Screened Pairs
- Individual Drain Wire per Pair
- PVC Sheath



Product Overview

Multipair individually foil screened extended distance cables are manufactured with stranded tinned copper cables. Each pair is individually screened with a drain wire and is insulated with foam PE Insulation. The cable is support applications including Rs232 and Rs422 for extended distances.



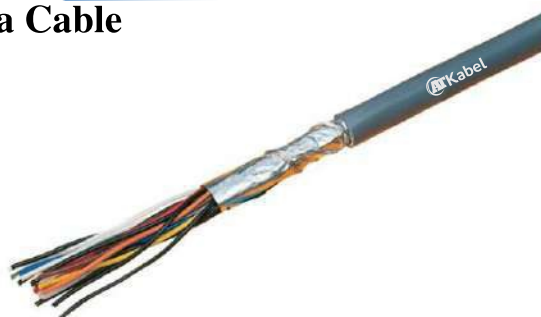
Construction			
Dimensions		Material	
Conductor	0.203mm (+0.001, -0.008)	Stranded ATC	
Insulation Thikness	1.60mm (+/-0.13mm)	PE	
Drain Wire	0.203mm (+0.001, -0.008)	Stranded ATC	
Pair Screen	100%	Aluminium Foil	
Pair Covering	Mylar Spiral Wrap	Mylar Tape	
Sheath	Grey	PVC	
Dimensions and color code			
	2 Pair	3 Pair	4 Pair
Nominal Diameter	6.75mm	8.50mm	9.22mm
Pair Color	Red, Black	Red, Black	Red, Black
	White, Black	White, Black	White, Black
		Green/Black	Green/Black
			Blue/Black
Electrical Characteristics			
Maximum Conductor DC resistance	<9.14 Ohm/ 100m at 20 deg C		
Minimum insulation DC resistance	>200m Ohm at 20 deg C		
Rated temperature	60 deg C		
Rated Voltage	300V		
Physical Characteristics			
Minimum bend radius	88.35 mm		
Conductor elongation at break	>10.0%		
Sheath tensile strength	10.00 N/sq. mm		
Sheath elongation at break	125%		

Multipair Overall Foil Screened Cable

24AWG Multipair Data Cable

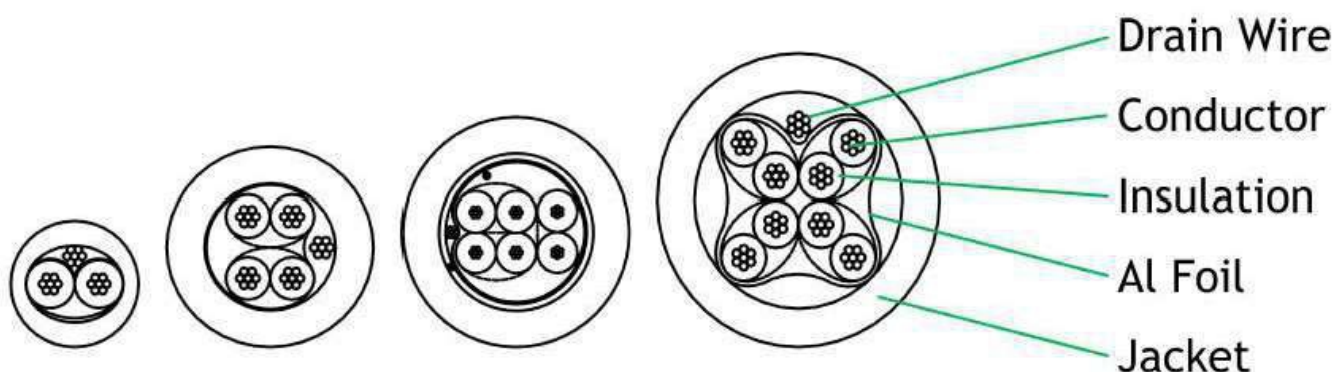
Features:

24AWG Stranded ATC Conductor
Overall foil Screen Pairs
Overall Drain Wire
PVC Sheath



Product Overview

Multipair with overall foil screened extended distance cables are manufactured with stranded tinned copper cables. Overall foil shielded with drain wire PVC Sheathed Cable. The cable is support Rs232 applications.



Construction								
Dimensions					Material			
Conductor	0.203mm (+0.001, -0.008)				Stranded ATC			
Insulation Thickness	1.10mm (+/-0.13mm)				PE			
Drain Wire	0.203mm (+0.001, -0.008)				Stranded ATC			
Screen	100%				Aluminium foil			
Covering	Mylar Spiral Wrap				Mylar Tape			
Sheath	Grey				PVC			
No of Pair	1	2	3	4	5	6	8	15
Nominal diameter (mm) +/-0.5	3.96	5.64	5.89	6.73	7.34	7.34	8.23	10.60
Electrical Characteristics								
Maximum Conductor DC resistance	<9.14 Ohm/100m at 20 deg C							
Minimum insulation DC resistance	>200m Ohm at 20 deg C							
Rated temperature	60 deg C							
Rated Voltage	300V							
Physical Characteristics								
Conductor elongation at break	>10.0%							
Sheath tensile strength	10.00N/sq. mm							
Sheath elongation at break	125%							

Multipair Individually Screened Cable

24AWG Multipair Data Cable

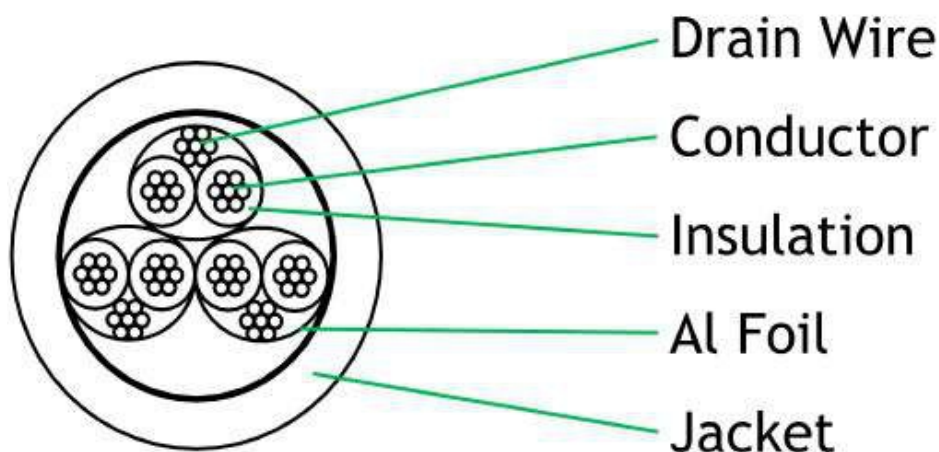
Features:

- 24AWG Stranded ATC Conductor
- Overall foil Screen Pairs
- Overall Drain Wire
- PVC Sheath



Product Overview

Multipair individually foil screened extended distance cables are manufactured with stranded tinned copper cables. Each pair is individually screened with a drain wire and in insulated with solid PE Insulation. The cable is support Rs232 and Rs422 for extended distances.



Construction		
Dimensions		Material
Conductor	0.254mm (+/-0.008) x 7	Stranded ATC
Insulation Thickness	1.20mm (+/-0.13mm)	Solid PE
Drain Wire	0.203mm (+/-0.008)	Stranded ATC
Screen	100%	Aluminium foil
Covering	Mylar Spiral Wrap	Mylar Tape
Sheath	Grey	PVC
No of Pair	2 Pair	3 Pair
Nominal diameter (mm)	4.19 (+/-0.20)	6.90 (+/-0.25)
Electrical Characteristics		
Maximum Conductor DC resistance	<5.83 Ohm/ 100m at 20 deg C	
Minimum Insulation DC resistance	>200m Ohm at 20 deg C	
Rated temperature	80 deg C	
Rated Voltage	300V	

Multipair Unscreened and Screened Cable

24AWG Multicore Data Cable

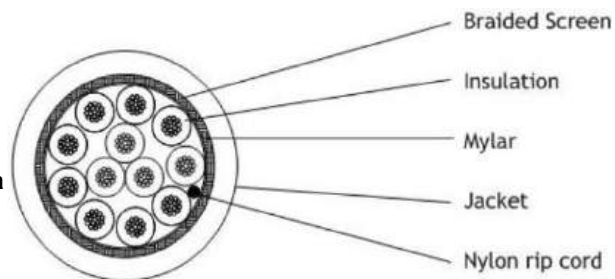
Features:

7/0.19mm Stranded ATC Conductor
Screened & Unscreened Option
Core Wrap-Mylar Tape with Rip Cord
Screen (64x0.19mm) ATC for screened only
PVC Sheath



Product Overview

Multicore cables are used for direct connection of equipment to mains power supplies, but are ideal for the interconnection of electronic equipment and instruments. The cores have tinned copper conductors and PVC Insulated, the outer sheath is black PVC. The screened versions are constructed using either a tinned copper braid or a Tinned Copper Clad Aluminium braid, providing a certain amount of mechanical protection, as well as electrical screening,

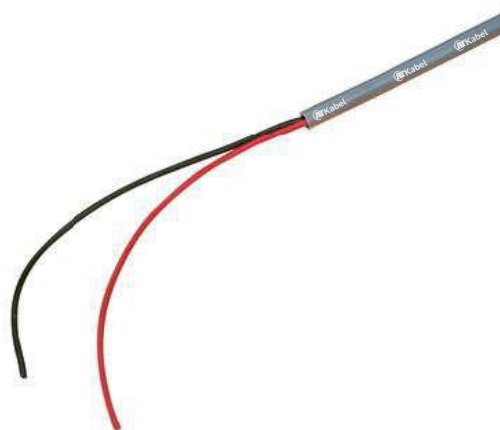


Construction (19x7)								
	Screened				Unscreened			
Conductor	7x0.19mm (+/-0.08), ATC				7x0.19mm (+/-0.08), ATC			
Insulation Thickness	1.20mm (+/-0.13), PVC				1.20mm (+/-0.13), PVC			
Core Wrap	Mylar Tape + Nylon rip cord				Mylar Tape + Nylon rip cord			
Screen	0.10 mm (+/-0.008) x 80 (+/-2), ATC Braid				NA			
Sheath	PVC				PVC			
Construction (19x16)								
Conductor	16 x 0.19mm (+/-0.08), ATC							
Insulation Thickness	1.85mm (+/-0.13), PVC							
Core Wrap	Mylar Tape + Nylon rip cord							
Screen	0.19mm (+/-0.008) x 64 (+/-2), ATC Braid							
Sheath	PVC							
Characteristics	19 x 7				19 x 16			
Conductor Resistance	<10.43 Ohm/100m at 20 deg C				<4.56 Ohm/100m at 20 deg C			
Rated Temperature	80 deg C				80 deg C			
Rated Voltage	300V				300V			
RoHS	Pass				Pass			
Nominal Overall Diameter (mm)	2	3	4	6	8	9	10	12
Screen (0.19 x 7)	3.8	4.1	4.4	5.4	6.0	6.4	6.6	7.0
Unscreen (0.19 x 7)			3.8	4.6	5.4			5.8
Screened (0.19 x 16)	6.3	7.0	7.5	8.5	9.5			10.8
Nominal Overall Diameter (mm)	15	18	20	25	36			
Screen (0.19 x 7)	7.7	5.30	5.69	6.20	6.20			
Unscreen (0.19 x 7)	7.7	8.0	8.5	9.6	10.8			
Screened (0.19 x 16)		12.3		14.4	16.5			

Single Pair Unscreened Cable

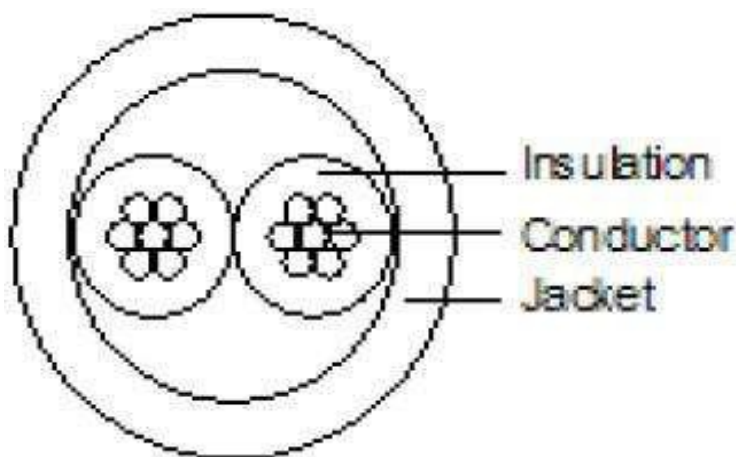
Features:

22AWG Stranded ATC Conductor
PVC Insulation
Rip Cord
PVC Sheath



Product Overview

Single pair cables manufactured with 7/0.25mm (22AWG) tinned copper conductors, PVC Insulated Suitable for a wide range Rs232, audio and broadcast applications.



Construction		
Conductor	7 x 0.254 mm (+0.001, -0.008)	Stranded ATC
Insulation	1.50mm (+/-0.13)	PVC
Insulation Color	Red/Black	
Jacket	4.40 (+/-0.20)	PVC
Characteristics		
Conductor Resistance	<5.84 Ohm/100m at 20 deg C	
Insulation Resistance	>200 Mohm at 20 deg C	
Rated Temperature	80 deg C	
Rated Voltage	300V	

Miniature Pair Screened Cable

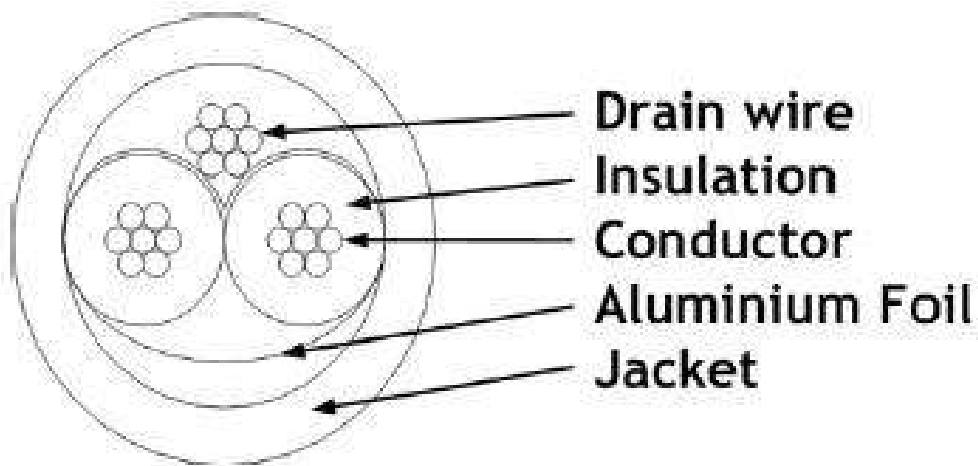
Features:

- 18AWG Stranded ATC Conductor
- PE Insulation
- Screen-Alu Foil
- PVC Sheath



Product Overview

Miniature pair cables manufactured and designed for sound broadcast, audio and instrumentation, tinned copper conductors, Voltage rating 300V, temperature rating 60 deg C



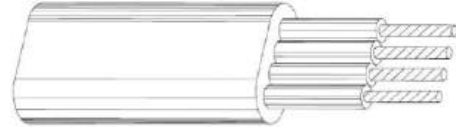
Construction				
	18AWG	20AWG	22AWG	
Conductor	16 x 0.254 mm (+0.001, -0.008)	7 x 0.32 mm (+0.001, -0.008)	7 x 0.25 mm (+0.001, -0.008)	Stranded ATC
Insulation Thickness	2.10 mm (+/-0.15)	1.80 mm (+/-0.13)	1.60 mm (+/-0.13)	Black/Clear PE
Screen	Aluminium foil Spiral screen			
Drain wire	16 x 0.203 mm (+0.001, -0.008 mm)	7 x 0.32 mm (+0.001, -0.008)	7 x 0.25 mm (+0.001, -0.008)	Stranded ATC
Jacket	PVC Black			PVC
Cable Diameter	5.64 mm (+/-0.20)	5.18 mm (+/-0.20)	4.45 mm (+/-0.20)	PVC
Characteristics				
Conductor Resistance/100m at 20 deg	<2.56 Ohm/100m	<3.68 Ohm/100m	<5.84 Ohm/100m	
Insulation Resistance	>200 MOhm at 20 deg C			
Rated Temperature	60 deg C			
Rated Voltage	300 V			

Flat Modular Cable

26AWG Multicore Flat Cable

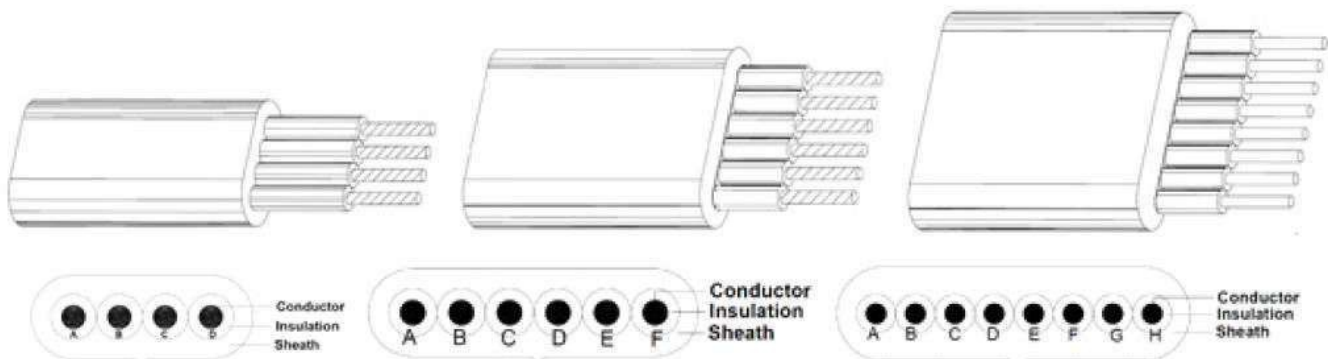
Features:

26AWG Stranded ABC Conductor
Flat Construction
Flexible Multicore



Product Overview

Multicore flexible cables have conductors laid side by side and are ideal for use as patch leads, for low speed data or voice applications. The conductors are stranded 26AWG PVC Insulated, with PVC Insulation.



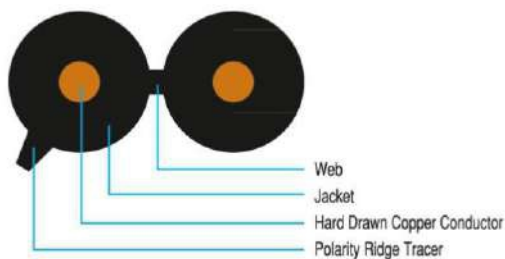
	Construction		
Dimensions			Material
Conductor	7/0.16 mm (26AWG)		Stranded Plain Annealed Copper
Insulation Color	Blue, Orange, Green, Brown, Grey, Yellow, Red, Black		
Nominal ID	0.95 mm		PE/PPE
Sheath	Grey/Black		PVC
No of Pair	2 Pair		3 Pair
Nominal diameter (mm)	4 Core Flat	6 Core Flat	8 Core Flat
Minimum Bend Radius	2.5 x 5.0 mm	2.5 x 7.0 mm	2.5 x 9.0 mm
Operating Temperature Range	25 mm		
Max. Conductor DC Resistance @ 20 deg C	-15 deg C to +70 deg C		
Voltage Test Core to Core	127.5 Ohm/km		
	10000 V a.c/1 min		

PVC Drop Wire

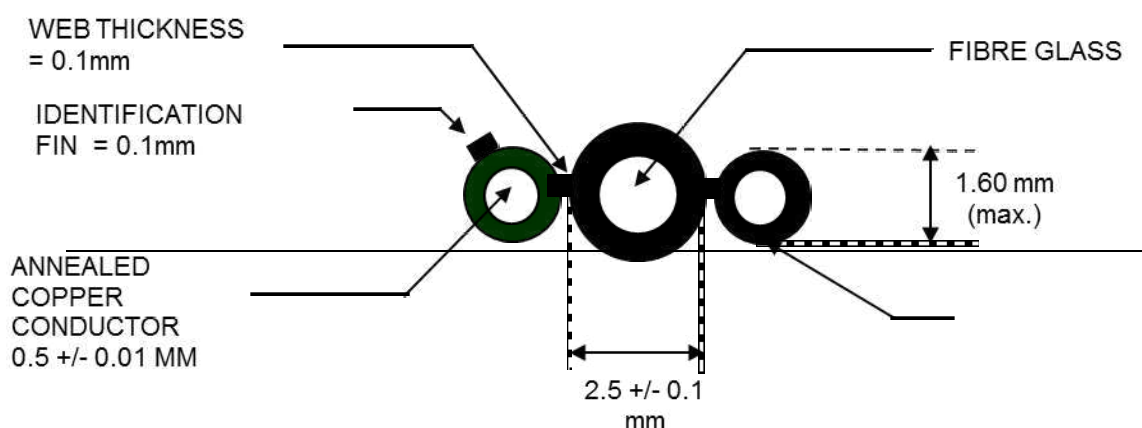
The PVC Drop Wire is used in telephone connectivity. The drop wire is available in oval shape to add in conductor field separation. These are two round solid copper covered steel wires that serve dually as conductors and strength members. It comes with good tensile strength, conductivity and elongation property.

The bonding of insulation with the conductor is controlled to assure that the full conductor strength is transferred to the wire support clamp. These wires are conductor resistant, insulation resistant and minimal breakage possibility. It does not get any burn in the first 60 seconds and lasts longer than usual drop wires.

Available Range:- 0.51 mm, 0.61 mm, 0.71 mm, 0.91 mm



Conductor	ABC
Wire Dia (+/-0.01)	0.50 mm
Resistance	87 +/-4 Ohm/km at 20 deg C
Fiber Glass roving	Yes
Insulation	PVC Type A/PE
Thickness	0.50+/-0.05 mm
Fiber Glass Roving	0.50 mm thick
Insulation thickness	0.50 mm nom
Final diameter (max)	1.60 x 2.60 x 1.60



**SELF SUPPORTING PVC INSULATED DROP WIRE WITH
FIBRE GLASS ROVING AS STRENGTH MEMBER**

Screen Braided Cable

Application:- A shielded cable is an electrical cable of one or more insulated conductors enclosed by a common conductive layer. The shield may be composed of braided strands of copper or aluminum mylar tape, or a layer of conducting polymer. Usually, this shield is covered with a jacket.

The shield acts as a Faraday cage to reduce electrical noise from affecting the signals, and to reduce electromagnetic radiation that may interfere with other devices (see electromagnetic interference). The shield minimizes capacitive coupled noise from other electrical sources. The shield must be applied across cable splices. In shielded signal cables the shield may act as the return path for the signal, or may act as screening only.

Description:- The annealed tinned/bare Electrolytic high conductivity copper multi strand flexible conductor as per IS: 8130/1984 of class-5, PVC insulated as per IS: 5831/1984, cores twisted together, Melinex taped. Shielded with aluminium mylar taped and screened with tinned copper braiding, taped again & overall PVC sheathed as per BS 5308 Part-2 multi core instrumentation Shielded Flexible cable
Range:- 0.2 sq. mm to 150 sq. mm (single core & multicore)



Solar Cables

Application

Double insulated, cross-Linked cables for photovoltaic Power applications. This cable is designed to meet the varying needs of the Solar Industry. Application include connection to PV module junction boxes to array junction box

Temperature Range

Ambient temperature:- 20/40 deg C to +90 deg C

Max. temperature at conductor:- 120 deg C

Construction

Conductor: Annealed Tinned Copper as per EN 60228 Class-5

Insulation: XLPE/PVC/ Cross Linked Halogen Free Compound

Sheath: XLPE/PVC/ Cross Linked Halogen Free Compound

Voltage: 1.8kV DC-0.6/1kV AC



Solar Cables (as per IS 7098 PART 1) Flexible Annealed Tinned Conductor XLPE Insulated & PVC ST-2 UV Sheathed Cable						
Area (Sq. mm)	Max. Cond. Resistance Ohm/km	Conductor Dia mm (max)	Insulation XLPE	Sheath Thickness PVC	Overall Diameter (mm) +/-0.5	(Amp) Current Carrying Capacity (Air)
1.5	13.7	0.26	0.70	0.90	5.0	26
2.5	8.21	0.26	0.70	0.90	5.5	35
4	5.09	0.31	0.70	0.90	6.0	45
6	3.39	0.31	0.70	0.90	6.5	58
Other Sizes also available on demand Up to 240 sq. mm						

Solar Cables (as per IS 694) Flexible Annealed Tinned Conductor PVC HR Insulated & PVC HR FR UV Sheathed Cable						
Area (Sq. mm)	Max. Cond. Resistance Ohm/km	Conductor Dia mm (max)	Insulation PVC HR FR	Sheath Thickness PVC HR FR	Overall Diameter (mm) +/-0.5	(Amp) Current Carrying Capacity (Air)
1.5	13.7	0.26	0.60	0.90	5.0	29
2.5	8.21	0.26	0.70	0.90	5.5	40
4	5.09	0.31	0.80	0.90	6.5	50
6	3.39	0.31	0.80	0.90	7.0	64
Other Sizes also available on demand Up to 240 sq. mm						

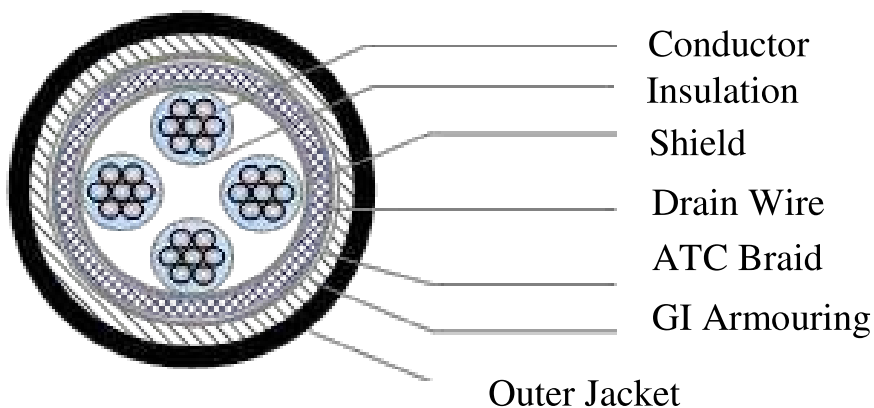
Solar Cables (as per reference TUV Specification 2 Pfg 1169/08.2007) Flexible Annealed Tinned Conductor XL-Halogen Free Insulated & XL-Halogen Free Sheathed Cable						
Area (Sq. mm)	Max. Cond. Resistance Ohm/km	Conductor Dia mm (max)	Insulation	Sheath Thickness	Overall Diameter (mm) +/-0.5	(Amp) Current Carrying Capacity (Air)
1.5	13.7	0.26	0.70	0.90	5.0	32
2.5	8.21	0.26	0.70	0.90	5.5	41
4	5.09	0.31	0.70	0.90	6.0	54
6	3.39	0.31	0.70	0.90	6.5	70
Other Sizes also available on demand Up to 240 sq. mm						

SCADA Cable / RS-485 Cables

32 AWG Stranded (7 x 32) TC conductors, polyethylene insulation, twisted pairs, overall Alu-mylar (100% coverage) + TC, Inner Sheath, GI Armour & Overall Jacket



Size	1 Pair to 4 Pair
	18AWG, 22AWG, 24AWG 0.22sq, 0.32sq, 0.35sq, 0.5sq, 0.75sq, 1.0sq, 1.5sq
Conductor	Fine Stranded Tinned Copper Conductor
Insulation	PVC, PE, PP Colour or number coded
Fillar	PVC, PE, PP (Optional)
Shield	Shield with aluminium- mylar tape 100% coverage.
Drain Wire	7/20 AWG or 7/28 AWG Stranded Tinned Copper Conductor
Braiding	Tinned copper Conductor braid shield 90% coverage.
Inner Sheath	PVC, LSZH (Optional)
Armouring	Galavanised round wire armouring (Optional)
Outer Jacket	PVC, LSZH



Operating Temperature Range	-15 deg C to +80 deg C
Temperature Range	80 deg C
Voltage Rating	300 V
Min. Bending Radius	15 x D

Cable Assembly

We have total solutions in wiring cable assembly from designing and developing them as per customer requirements.

In-house capability for design and manufacturing of cables, jigs, assembly boards and circuit checking boards enable process design control and flexibility.





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