

**35**  
YEARS  
★ Excellence ★

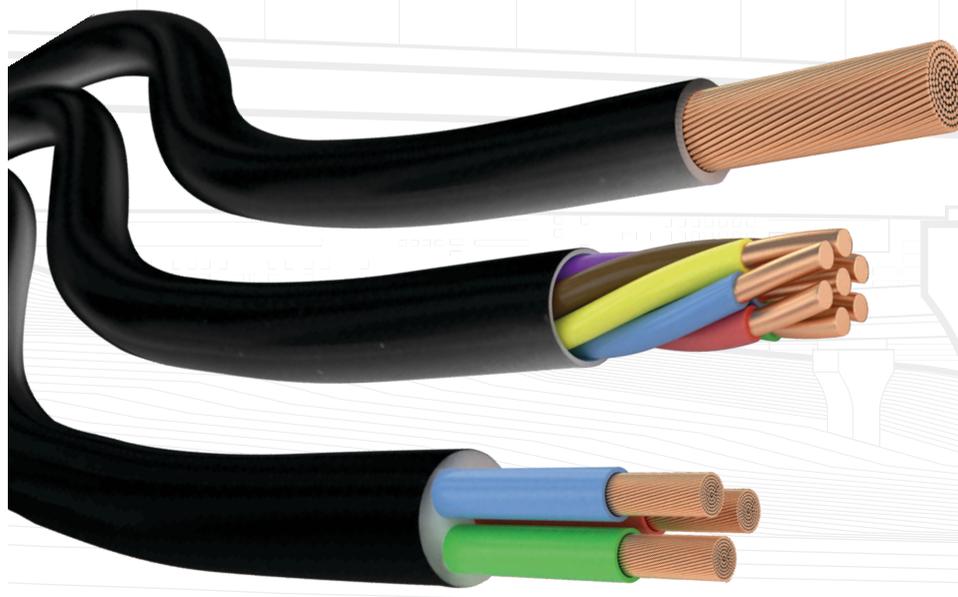
CONNECTING  
**LIVES**



**HECHO**  
WIRES & CABLES



HECHO  
WIRES & CABLES



One of the most vital and significant part of any architecture are the internal and external wiring of the structure. Better the quality of the wires, safer the structure and every member in it.

Hecho Cables and Wires harps on safety based on its quality and experienced team. The distinguishing factors include modern state-of-art manufacturing machines in our Vapi unit, which manufactures products with exceptional performance, versatility, durability, endurance, resistance.

Since 35 years, our Chairman Mr. Mangilal R. Jeerawala & MD Mr. Dixit M. Jeerawala have made rapid progress and transformed our company into a trusted and progressive name in the industry. Ultimately, customer satisfaction is our greatest victory, be it satisfaction in quality, value for money or safety, customers are the core of our continuous pursuance for quality products.

After extensive research and development each cable and wire are tested as per the specifications, creating the best product for the ever changing requirements of the market. Certified under various analytical companies, like CE, ROHS, D&B, ISI, ISO 9001:2015, Hecho sets a benchmark that enables the company to develop customized research assignments irrespective of the type of the work. Hecho's market research and understanding that cables and wires are always an integral part in any type of construction has lead Hecho to expand their product ranges emerging as smart electrical solutions for homes or industries.

Hecho creates cables and wires for a lifetime!

#### **Vision:**

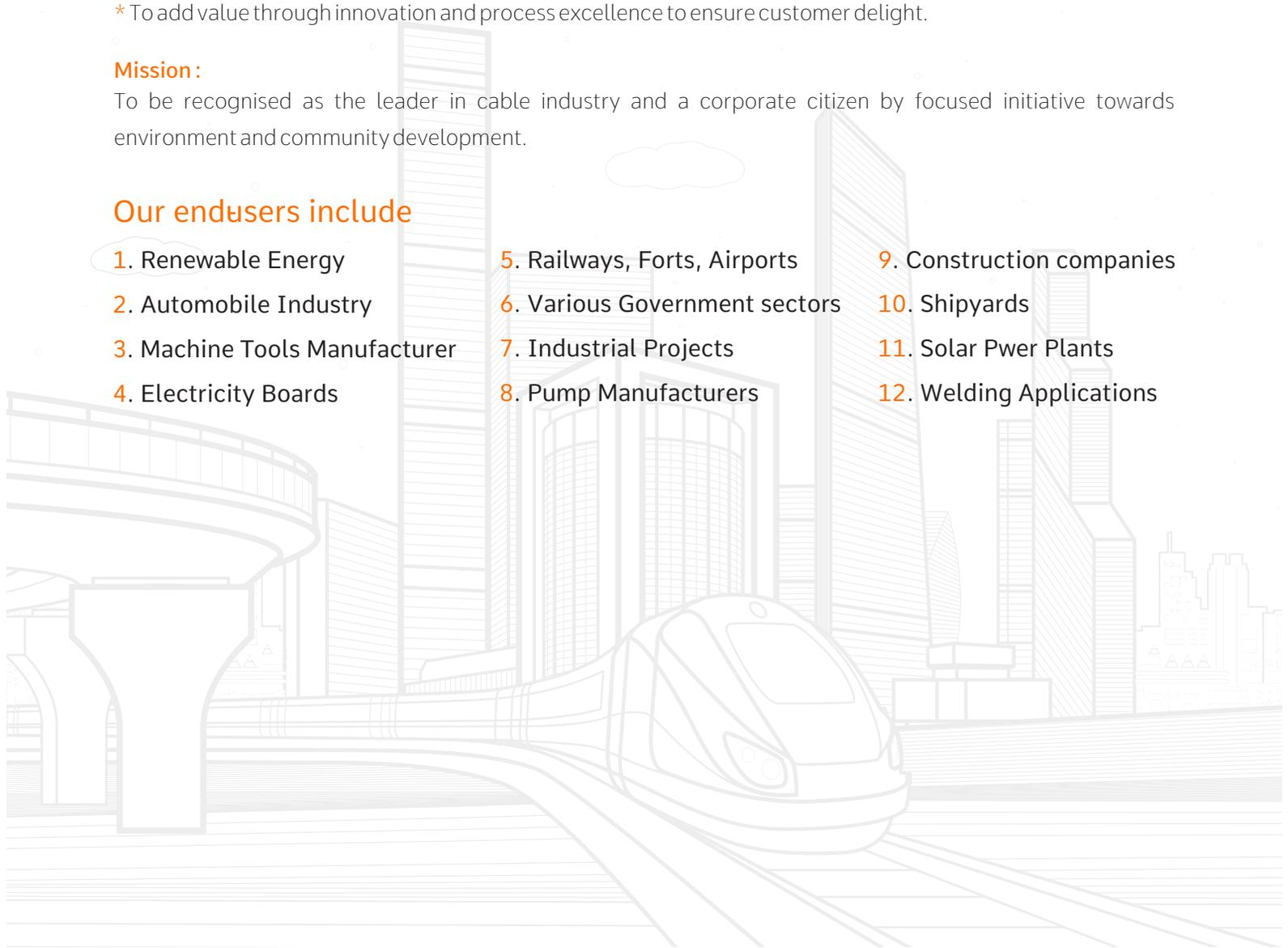
- \* To be highly reliable solution for powering the entire globe.
- \* To manufacture and develop various kinds of cable as per customer needs and market demand.
- \* To add value through innovation and process excellence to ensure customer delight.

#### **Mission:**

To be recognised as the leader in cable industry and a corporate citizen by focused initiative towards environment and community development.

### **Our endusers include**

1. Renewable Energy
2. Automobile Industry
3. Machine Tools Manufacturer
4. Electricity Boards
5. Railways, Forts, Airports
6. Various Government sectors
7. Industrial Projects
8. Pump Manufacturers
9. Construction companies
10. Shipyards
11. Solar Pwer Plants
12. Welding Applications



**TRIMMUNE FR (LF)**  
Flame Retardant (Lead Free)  
**House & Building Wires**

**Application**

These wires are been specially designed for installations that require a flexible cable due to the complex nature of their layout. This cable is specially suitable for domestic wiring and commercial buildings. The multistrand conductor makes it ideal concealed wiring. It may also be used for equipment wiring, distributors, cabinets and lighting. It is also recommended for installation under false ceilings. Cables with cross section up to 1 mm are especially suited for signaling and monitoring installations.

**Construction**

Conductor : **99.97% Pure bare ELECTROLYTIC grade bright annealed bunched copper.**

Insulation : Triple layered ROHS FR PVC with high insulation resistance value.

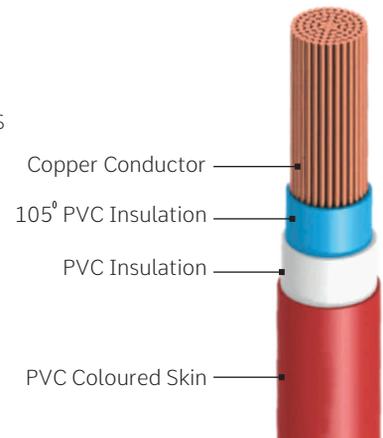
Other Insulation materials are HR-FR, FRLS, ZHFR.

Colour : Red, Yellow, Blue, Black, Grey, Green, or other colours on customised requirement.

Packing : Coil of 90 meters packed in printed/corrugated attractive box. Master packing done in corrugated box. Bigger length can be provided on request.

**Features**

- \* 99.97 pure EC grade copper which gives high conductivity & low electricity bills
- \* Excellent mechanical & electrical properties.
- \* High Flame retardant properties.
- \* Excellent insulation resistance & dielectric strength.
- \* Lower conductor resistance.
- \* Normal Voltage up to 1100V
- \* Temperature from -15°C to 70°C



**TECHNICAL SPECIFICATIONS**

Nominal area of conductor	Number Nominal Dia. of Strands	Insulation Thickness (mm)	Approx. Overall Dia. (mm)	Current Rating (Amps.)		DC Conductor Resistance @ 20° C (Max.) Ω/Km	Standard Packing (90 mtr.)
				Casing	Concealed		
0.5**	16/0.2	0.6	2.1	6	5	39.0	28
0.75**	24/0.2	0.6	2.3	9	8	26.0	24
1.0*	14/0.2	0.7	2.7	14	13	18.1	24
1.5*	22/0.3	0.7	3.0	18	16	12.1	16
2.5*	36/0.3	0.8	3.7	24	20	7.41	12
4.0*	56/0.3	0.8	4.1	30	26	4.95	6
6.0*	84/0.3	0.8	4.6	38	33	3.30	4

Standard Colours : Red, Yellow, Blue, Black, Green, Grey & White

\* As per conductor Class 2 of IS 8130 | \*\* As per conductor Class 5 of IS 8130

Note : Insulation thickness & OD given in the table are nominal value. No. & OD of a brand is nominal, they shall be such as to satisfy the requirement of CR as per IEC 60226 / DIN VD2 029 / IS 8130 / BS 6030. In view of continuous improvement in cables, specification given here may change without prior notice.



# KABLO - FLEXE Flexible Panel Wires



**HECHO**  
WIRES & CABLES

## Application

These cables are totally manufactured on the basis of IS:694 standard Class 5, which are mainly used for the wiring of commercial, industrial building & Panel wiring, Machinery installation under typical industrial environmental condition and various electrical installations in damp areas.

**Conductor** : 99.90 to 99.97% pure bright annealed bare bunched copper.

**Insulation** : ROHS PVC Insulation with high resistance value, extra flexibility, excellent mechanical & chemical properties for longer life.

**Packing** : Coil of 100 mtrs. or special lengths as per customer requirements

## Features

- \* 99.97 pure EC grade copper which gives high conductivity & low electricity bills
- \* Excellent mechanical & electrical properties.
- \* ROHS PVC makes it more safe.
- \* Higher flexibility .
- \* Lower conductor resistance.
- \* Normal Voltage up to 1100V
- \* Temperature from -15°C to 70°C
- \* Abrasion Resistant & oil Resistant.



**Note** : On request special kind of insulation or sheathing can be done like Type C (HR), FR FRLSH, ST2 category PVC compound.

### PVC Insulated Unsheathed Cables with flexible copper conductor for working voltage up to 1100 volts

Nominal Area of Conductor	Numbers / Diameter of Wire	Resistance Per KM @ 20° C (Max)	Current rating	Nominal Thickness of Insulation	Overall Diameter (Max)	Standard Packing (100 mtr.)
Sq. mm	mm	Ohms	(Amps)	mm	mm	coils
0.5	16/0.2	39	6	0.6	2.6	50
0.75	24/0.2	26	9	0.6	2.8	40
1.0	32/0.2	19.5	14	0.6	3.0	28
1.5	30/0.25	13.3	13.7	0.6	3.4	24
2.5	50/0.25	7.98	24	0.7	4.1	16
4.0	56/0.3	4.95	32	0.8	4.8	10
6.0	84/0.3	3.30	42	0.8	4.8	4
10	140/0.3	1.91	55	1.0	7.0	1
16	126/0.4	1.21	75	1.0	8.1	1
25	196/0.4	0.780	100	1.2	10.2	1
35	276/0.4	0.554	125	1.2	11.7	1
50	396/0.4	0.386	165	1.4	13.9	1
70	354/0.5	0.272	240	1.4	16.0	1
95	480/0.5	0.206	300	1.6	18.2	1
120	607/0.5	0.161	325	1.6	20.2	1
150	760/0.5	0.129	352	1.8	22.5	1
185	941/0.5	0.106	400	2.0	24.9	1

**\* Note :**

- a) Upto 50 Sqmm cables are flexible category Class -5
- b) Above 50 Sqmm are fixed wiring cables (Class -5 Copper construction pattern)

# KABLO - FLEXE

## Flexible Multi Core Cables

(Generally conforming to IS:694 : 2010)

### Application

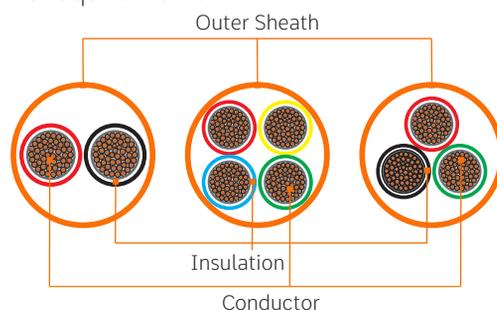
These multi core flexible cables are used for wiring in control panels, machines and various electrical installations in dry and damp interiors especially under typical industrial environmental conditions.

### Construction

- Conductor : **99.97% pure ELECTROLYTE grade bare flexible bunched copper.**
- Insulation : PVC with high insulation resistance value.
- Outer Sheath : Flexible PVC / rubber.
- Colour : PVC Black or Any other colour or specific request can also be supplied.
- Packing : Coil of 90 meters, 100 meters, drum length or as per specific requirements.

### Features

- \* 99.97 pure EC grade copper which gives low conductor resistance.
- \* Longer Flexible life of cable.
- \* Excellent resistant to heat, oil, abrasion, cons, chemicals, etc..
- \* Excellent mechanical & electrical properties.
- \* Flexible conductor for high bending radius.
- \* Generally confirms to IEC 60227, BS 6500, UL83, IS 694 & DIN UDR 0281 & other international standards.
- \* Nominal Voltage up to 1100V
- \* Temperature from -15°C to 70°C



### PVC Insulated and Sheathed Cables with flexible copper conductor for working voltage up to 1100 volts

Nominal Area of Conductor	Numbers / Diameter of Wire	Resistance Per KM @ 20° C (Max)	Current Carrying Capacity (in Amps) as per IS : 3961		Nominal Thickness of Insulation	Nominal Thickness of Sheath / (Max) Diameter of Sheath			
			Cable Tray	Concealed		2 Core	3 Core	4 Core	5 Core
Sq.mm	mm	Ohms	Single Phase	Three Phase	mm				
0.5	16/0.2	39.0	4	4	0.6	0.9/7.2	0.9/7.6	0.9/8.2	0.9/9.0
0.75	24/0.2	26.0	7	7	0.6	0.9/7.8	0.9/8.2	0.9/8.8	0.9/9.6
1.0	32/0.2	19.5	12	10	0.6	0.9/8.0	0.9/8.6	0.9/9.4	1.0/10.5
1.5	30/0.25	13.3	16	14	0.6	0.9/8.6	0.9/9.2	1.0/10.5	1.0/11.0
2.5	50/0.25	7.98	20	18	0.7	1.0/10.5	1.0/11.5	1.0/12.0	1.0/13.0
4.0	56/0.3	4.95	27	24	0.8	1.0/12.0	1.0/12.5	1.0/14.0	1.1/15.5
6.0	84/0.3	3.30	35	30	0.8	1.1/13.0	1.2/13.8	1.2/15.5	-
10	140/0.3	1.91	44	39	1.0	1.3/16.5	1.4/17.5	1.4/19.5	-
16	126/0.4	1.21	61	55	1.0	1.3/19.0	1.3/20.0	1.4/22.5	-
25	196/0.4	0.780	69	60	1.2	1.4/23.0	1.5/24.5	1.6/27.5	-
36	276/0.4	0.554	88	77	1.2	1.5/25.5	1.6/27.5	1.7/30.5	-
50	396/0.4	0.386	116	102	1.4	1.6/29.5	1.7/31.5	1.8/35.0	-

**\* Note :** Insulation thickness & OD given in the table are nominal value. No. & OD of strand is nominal, they shall be such as to satisfy the requirement of CR as per IEC 60228 / DIN Vd2 029 / IS 8130 / BS 6030. In view of continuous improvement in cables, specification given here may change without prior notice.

2 Core	3 Core	4 Core	5 Core	6 to 25 Core
Red, Black	Red, Yellow, Blue OR Red, Black, Yellow/Green	Red, Yellow, Blue, Black OR Red, Blue, Black, Yellow/Green	Red, Yellow, Blue, Black, Grey	As per IS 694 OR As per requirement

# KABLO - FLEXE

## Flexible Control Cables

(6 to 25 Cores)



**HECHO**  
WIRES & CABLES

PVC Insulated and Sheathed Cables with flexible copper conductor for working voltage upto 1100 volts. Generally conforming to IS 694 : 2010

### Application

These wires/cables are used for wiring in control panels, machines and various electrical installations in dry and damp interiors especially under typical industrial environmental conditions.

### Construction

- Conductor : **99.97% to 99.90% pure ELECTROLYTEIC copper.**
- Insulation : PVC with high insulation resistance value.
- Outer Sheath : PVC / rubber of black colour or as specified by the buyer.
- Colour : All Cores of same colour with number making with yellow/green in the outer most layer or as specified by the buyer.
- Packing : As specified by the buyer.

### Features

- \* 99.97 pure EC grade copper which gives low conductor resistance.
- \* Longer Flexible life of cable.
- \* Excellent resistant to heat, oil, abrasion, cons, chemicals, etc..
- \* Excellent mechanical & electrical properties.
- \* Flexible conductor for high bending radius.
- \* Generally confirms to IEC 60227, BS 6500, UL83, IS 694 & DIN UDR 0281 & other international standards.
- \* Nominal Voltage up to 1100V
- \* Temperature from -15°C to 70°C

Area Sq. mm	0.50	0.75	1.00	1.50	2.50
No. of Strands/Nominal Dia. of Strands	06/0.2	24/0.2	32/0.2	30/0.25	50/2.5
Nominal Insulation Thickness in mm	0.60	0.50	0.60	0.60	0.70
Max. Diameter in mm	2.60	2.30	3.00	3.40	4.10

Number of Cores	Lay up	Nominal Sheath thickness in mm / Maximum overall diameter in mm				
6	6	0.9/9.5	1.0/10.0	1.0/10.5	1.3/12.4	1.1/14.5
7	1-6	0.9/9.5	1.0/10.0	1.0/10.5	1.0/12.4	1.1/14.5
8	1-7	1.0/11.1	1.0/11.8	1.0/12.4	1.1/14.7	1.2/17.3
9	1-8	1.0/11.8	1.1/12.4	1.1/13.1	1.1/15.6	1.3/18.3
10	2-8	1.0/12.0	1.1/12.7	1.1/13.4	1.1/16.0	1.3/18.7
11	3-8	1.1/12.0	1.1/12.7	1.1/13.4	1.1/16.0	1.3/18.7
12	3-9	1.0/12.4	1.1/13.1	1.1/13.9	1.1/16.5	1.3/19.4
13	3-10	1.0/13.1	1.1/13.8	1.1/14.6	1.2/17.4	1.3/20.5
14	4-10	1.1/13.1	1.1/13.8	1.1/14.6	1.2/17.4	1.3/20.5
15	5-10	1.1/13.5	1.2/14.3	1.2/15.1	1.2/18.1	1.4/21.3
16	5-11	1.1/13.8	1.2/14.6	1.2/15.4	1.2/18.4	1.4/21.7
17	5-12	1.1/14.6	1.2/15.4	1.2/16.3	1.3/19.5	1.4/23.0
18	0-6-12	1.1/14.6	1.2/15.4	1.3/16.3	1.3/19.5	1.4/23.3
19	1-6-12	1.1/13.2	1.2/14.9	1.3/15.6	1.3/17.1	1.4/20.3
20	1-7-12	1.2/15.4	1.3/16.3	1.4/17.3	1.4/20.7	1.5/24.4
21	1-7-13	1.2/15.4	1.3/16.3	1.4/17.3	1.4/20.7	1.5/25.0
22	2-7-13	1.2/16.3	1.3/17.3	1.4/18.2	1.4/21.9	1.5/25.8
23	2-8-13	1.2/16.3	1.3/17.3	1.4/18.2	1.4/21.9	1.5/26.3
24	2-8-14	1.2/17.1	1.3/18.2	1.4/19.2	1.4/23.0	1.5/27.2
25	2-8-15	1.2/17.1	1.3/19.0	1.4/19.2	1.4/23.0	1.5/27.2
Max. Conductor Resistance in Ohm/Km at 20° C		39.00	26.00	19.50	13.30	7.98
Approx. recommended Current Rating in Amps for 3 Phase		4	7	10	14	18

The above data is indicative and may be revised without prior information.

**"Hecho"** WILL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF INCORRECT APPLICATION

# KABLO - SUB Submersible Pump Cables



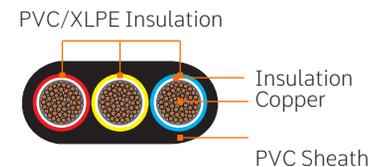
**HECHO**  
WIRES & CABLES

## Application

**Kablo-Sub** Submersible Pump Cables are used for giving electrical connection to the submersible pump motors, up to the depth of 500m and water temperature up to +75° C. These cables are manufactured keeping in mind the severe, tough & difficult condition like dry, moist & wet environments. The slot available in the tubewell being narrow the shape of the cable has to be suited for such an application.

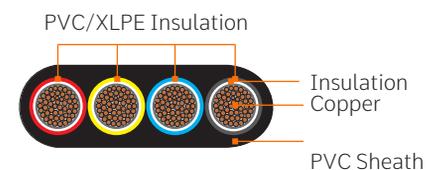
## Construction

- Conductor : **99.97% pure ELECTROLYTE grade bare bunched copper.**
- Insulation : PVC / XLPE with high insulation resistance value.
- Outer Sheath : Flexible PVC for difficult conditions.
- Colour : PVC Black or Any other colour or specific request can also be supplied.
- Packing : Coil of 100 meters, drum length or as per customized requirements.



## Features

- \* Bright/Sport to be added annealed 99.97, EC grade copper conductors which gives low conductor resistance.
- \* Excellent resistance to oil, moisture, abrasion, grease & water.
- \* Longer Flexible life.
- \* Excellent mechanical & electrical properties.
- \* Generally confirms to IEC 60227, BS 6500, UL83, IS 694 & DIN VDE 0281 & other international standards.
- \* Nominal Voltage up to 1100V
- \* Temperature from -30°C to 80°C



## TECHNICAL SPECIFICATIONS

Conductor	PVC Insulation		PVC FLAT		PVC ROUND		Conductor Resistance at 20° C (max) Ω/km	Current rating at 40° C Amps.
			Approx. Overall Dimensions of Cable		Approx. Overall Dimensions of Double Sheathed Cable			
	Nominal Area in Sq. mm	Nominal Thickness mm	Nominal Core Dia. mm	3 Core Thickness x Width mm	4 Core Thickness x Width mm	3 Core mm		
1.5	0.8	3.20	6.0 x 12.8	6.0 x 15.8	10.0	10.8	12.1	14
2.5	0.9	3.90	6.4 x 14.6	6.5 x 18.0	11.0	12.5	7.41	18
4	1.0	4.50	7.4 x 19.8	7.6 x 21.0	13.0	14.1	4.95	26
6	1.0	5.30	7.9 x 18.7	7.9 x 24.3	14.6	16.0	3.3	31
10	1.0	6.50	9.9 x 23.7	9.9 x 29.7	18.0	20.3	1.91	42
16	1.0	8.00	11.4 x 28.0	11.8 x 36.0	21.2	23.4	1.21	57
25	1.2	10.1	14.7 x 35.5	14.7 x 45.1	26.0	28.8	0.78	72
35	1.2	11.3	16.2 x 39.5	16.2 x 50.1	28.3	31.5	0.554	90
50	1.4	13.6	18.3 x 45.5	18.3 x 58.1	33.5	37.3	0.386	115
70	1.4	15.3	20.0 x 51.0	-	37.8	42.2	0.272	143
95	1.6	18.0	23.5 x 60.0	-	43.5	48.8	0.206	165

**\* Note :**

Insulation thickness & OD given in the table are nominal value. No. & OD of strand is nominal, they shall be such as to satisfy the requirement of CR as per IEC 60228 / DIN Vd2 029 / IS 8130 / BS 6030. In view of continuous improvement in cables, specification given here may change without prior notice.

# KABLO - DC Solar Cables

## Application

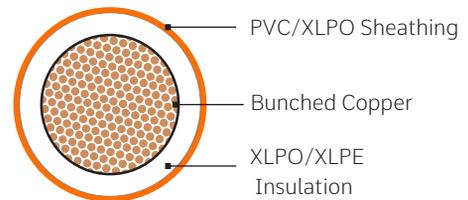
HECHO - DC PV Solar cables are designed for connecting photovoltaic power supply systems. They are dedicated to the photovoltaic system direct current (D.C.) side with a nominal D.C. voltage of a 1.5kV. These cables can be used indoor & outdoor for flexible and fixed installations with high mechanical strength in extreme weather conditions. These cables are designed to withstand the demanding environmental conditions that arise in any fixed, mobile, roof or architecturally integrated photovoltaic installation.

## Construction

Conductor : Flexible Electrolytic Bore/Tinned fine copper strands, acc. to IEC 60228, class 5  
 Insulation : Crosslinked Halogen Free & Flame Retardant Insulation , Colour : White , Red Or Black  
 Sheathing : Crosslinked Halogen Free & Flame Retardant UV and ozone resistant  
 Colour : RED or BLACK or any other customized requirements.  
 Packaging : In coils of 100 mtrs, 300 mtrs or drum length or as per customized requirements.

## Features

- \* Operating Temperature from - 40° C to 90° C.
- \* Better UV & Ozone resistance and improved weather resistance in adverse conditions.
- \* Improved Oil & Chemical resistance, improved crack resistance.
- \* Improved Mechanical properties of the cables in elevated temperature conditions
- \* Improved Flammability properties.
- \* Fire performance : IEC 60332-1-2
- \* Smoke emission : IEC 61034-2 / EN 50268-2
- \* Halogen Free : IEC 60754 -1 (HCL Content Co. 5%)
- \* Maximum Temperature at conductor 120° C
- \* Voltage Rating : U0/U=600/1000 V AC, 1800 V DC
- \* Test Voltage : 6.5KV 50 Hz, 15 KV DC for 5 Min
- \* Bending Radius : 4 x Ø (Cable OD)



## TECHNICAL SPECIFICATIONS

(Generally confirms 2 PFG 1169/08.2007 – PVF & BS EN 50618 – H1Z2Z2K)

Size in sq.mm	Thickness Nominal Insulation mm	Thickness Sheathing Nominal mm	OD Nominal mm	Current Rating in Amps Two Cables Adjacent on Surfaces
1.5	0.5	1.0	4.6	24
2.5	0.5	1.0	5.0	33
4	1.0	1.0	6.1	44
6	1.0	1.0	7.1	57
10	1.2	1.2	8.0	79
16	1.2	1.2	9.1	107
25	1.3	1.3	10.5	142
35	1.3	1.3	12.0	176
50	1.5	1.5	14.0	208
70	1.5	1.5	16.0	255
95	1.5	1.5	18.5	306
120	1.7	1.7	20.0	346
150	1.8	1.8	22.5	390
185	2.0	2.0	25.0	436
240	2.0	2.0	28.0	507

\* Note :

Insulation thickness & OD given in the table are nominal value. No. & OD of strand is nominal, they shall be such as to satisfy the requirement of CR as per IEC 60228 / DIN VD2 029 / IS 8130 / BS 6030. In view of continuous improvement in cables, specification given here may change without prior notice.

# KABLO - WELDE

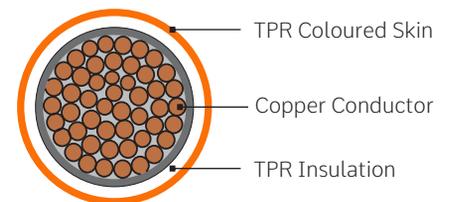
## Welding Cables

### Application

Low Voltage leads for connection to automatic or hand held metal arc welding electrodes and for earthing return leads, the transmission of high currents from the electric welding machine to the welding tool. Our Welding Cables are suitable for flexible use under rugged conditions on assembly lines and conveyor system, in machine tool and automatically operated line and spot welding machine.

### Construction

- Conductor : **99.97% pure Electrolyte grade bare bunched copper / Tin plated copper.**
- Insulation : Thermo Plastic Rubber (TPR).
- Colour Code : Orange, Black or any other colour on specific request.
- Packing : Coil of 100, 200, 500 and 1000m, in wooden drums.



### Features

- \* Excellent flexibility, strength and durability of the cable.
- \* Excellent resistance to (HOFR) heat, oil, chemical, abrasion, cuts, etc.
- \* Excellent ozone weather resistant.
- \* 99.97% pure Electrolyte grade copper conductors which gives low conductor resistance.
- \* Based on CENELEC HD 22631, VDE 0282, IEC 2456, IS 473, BS 6384 Up to 1100 voltage.
- \* Temperature range : -20°C to 90°C

## TECHNICAL SPECIFICATIONS

Nominal cross sectional area of conductor	Nominal Insin thickness of Insulation	Max Overall cable diameter	Max conductor resistance at 20° C	Current rating (Ambient temp 30° C)					
				Welding application Duty Cycle					Non Welding Application
				100%	85%	60%	30%	20%	
Sq. mm	mm	mm	Ω /km	amp	amp	amp	amp	amp	amp
10	2.0	10.0	1.91	105	115	135	190	235	110
16	2.0	11.5	1.21	135	145	175	245	302	138
25	2.0	13.0	0.780	180	195	230	330	402	187
35	2.0	14.5	0.554	225	245	290	410	503	233
50	2.2	17.0	0.386	285	310	370	520	637	295
70	2.4	19.0	0.272	355	385	460	650	794	372
95	2.6	21.5	0.206	430	470	560	790	961	449
120	2.8	24.0	0.161	500	540	650	910	1118	523
150	3.0	26.0	0.129	580	620	740	1040	1297	608
185	3.2	29.0	0.106	660	715	850	1200	1476	690
240	3.4	32.0	0.0801	710	770	916	1296	1587	744

**\* Note :**

Insulation thickness & OD given in the table are nominal value. No. & OD of strand is nominal, they shall be such as to satisfy the requirement of CR as per IEC 60228 / DIN VD2 029 / IS 8130 / BS 6030. In view of continuous improvement in cables, specification given here may change without prior notice.



## Application

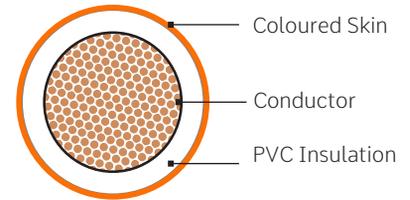
Hecho automobile cables are mainly used for wiring harness which is used in automobile like heavy vehicles, four wheelers, three wheelers and two wheelers.

## Construction

- Conductor : **99.97% pure ELECTROLYTE grade annealed bare copper.**  
 Insulation : PVC with high insulation resistance.  
 Packaging : Packed in coil of 100 meters in attractive corrugated box. Or in longer lengths as per customized requirements.

## Features

Hecho auto cables are manufactured from brightannealed 99.97% pure bare copper conductors, which offers low conductor resistance. The PVC compound used in the cables is manufactured with special formulation which is impervious to water, oil, grease, acids, etc. Hecho auto cables can operate in extreme climatic conditions from 40° C to 105° C, which makes them popular worldwide. These cables are abrasion resistant and is designed to meet stringent environmental regulations worldwide.



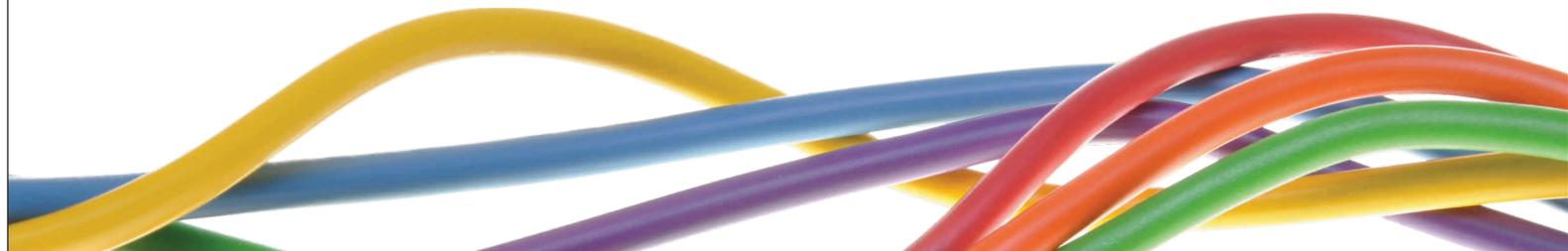
## TECHNICAL SPECIFICATIONS

(Generally confirms TÜV 2PFG-1169/08\_2007 Pv1-F)

Nominal Size +1	Conductor {Annealed copper stranded conductors}			Insulation Thickness	Over all Diameter		Conductor Resistance at 20° C mΩ/m
	Construction	Calculated Area	Outer Diameter		Standard	Max.	
0.5	7 / 0.32	0.5629	1.0	0.6	2.2	2.4	32.7
0.85	11 / 0.32	0.8846	1.2	0.6	2.4	2.6	20.8
1.25	16 / 0.32	1.287	1.5	0.6	2.7	2.9	14.3
2.0	26 / 0.32	2.091	1.9	0.6	3.1	3.4	8.8
3.0	41 / 0.32	3.297	2.4	0.7	3.8	4.1	5.59
5.0	65 / 0.32	5.228	3.0	0.8	4.6	4.9	3.52
8.0	50 / 0.45	7.952	3.7	0.9	5.5	5.8	2.32
15.0	7 / 12 / 0.45	13.360	5.4	1.1	7.8	8.0	1.38
20.0	41 / 0.80	20.610	6.1	1.1	8.3	8.8	0.887
30.0	70 / 0.80	35.19	8.0	1.4	10.8	11.5	0.520
40.0	85 / 0.80	42.73	8.8	1.4	11.4	12.1	0.426
50.0	108.08	54.29	9.8	1.6	13.0	13.8	0.337

**\* Note :**

Insulation thickness & OD given in the table are nominal value. No. & OD of strand is nominal, they shall be such as to satisfy the requirement of CR as per IEC 60228 / DIN VD2 029 / IS 8130 / BS 6030. In view of continuous improvement in cables, specification given here may change without prior notice.





HECHO  
WIRES & CABLES



## HIGHLINE POWERCLOUD INDIA

An ISO 9001 : 2015 Certified Company

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