

PVC INDUSTRIAL CABLES



All the quality of a CLASSIC !



- Precision
- Profitability
- Simplicity
- Flexibility

An ISO 9001:2000 Certified Co.



a german innovation



Meets additional requirements of international standards



# PVC INDUSTRIAL CABLES



vision  
expertise  
result...



**Hills** is the market leader in Powder, Control and Industrial Cables. **Hills** is the fastest growing Company in cable industry, offering the widest range of wires & cables. **Hills** Single & Multi Core PVC Industrial Wires & Cables find a wide range of applications in the control panels, appliances, machine tools, machinery and are used in almost every industry.

**Conductors** : The conductors are drawn from bright electrolytic grade copper, annealed and bunched together.

**Insulation** : Bunched conductors are insulated with specially formulated in-house developed PVC compound having high insulation resistance values. The insulation process is carried out on modern high speed extrusion lines with a high degree of accuracy, thus ensuring consistency in performance.

**Sheathing** : In case of multi core cables, the insulated cores are laid-up to from the core assembly. Sheathing is provided with specially formulated PVC compound to facilitate stripping as also to withstand mechanical abrasion while in use.

**Quality Control** : You are assured of the highest quality strands in every **Hills** product. Stringent quality control tests are applied at every stage from raw material to finished goods stage so as to give you the best product, meeting relevant quality standards. **Hills** PVC insulated Industrial Wires & Cables Single are manufactured as per IS 694:1990, in Single Core sizes from 0.5 sq. mm and Multi Core sheathed cables in sizes 0.5 Sq. mm to 16 Sq. mm upto 5 cores. These cable sizes are ISI marked and are duly approved by FIA/TAC. The remaining sizes generally conform to IS 694:1990.

Cables as per BS 6004 : 1991 and BS 6500 : 1990 can be made available for export market. Special purpose Braided Cables / Screened Instrumentation Cables are also available.

SINGLE CORE / MULTI CORE INDUSTRIAL CABLES AS PER 694 : 1990  
VOLTAGE GRADE UPTO 1100 VOLTS

**Hills** BARE COPPER CONDUCTOR, PVC INSULATED UNSHEATHED 650/1100 V. SINGLE CORE INDUSTRIAL WIRE & CABLES FOR PANEL BOARD WIRING AS PER IS:694/1990 WITH ISI MARK (UP TO 50 SQ.)

NOMINAL AREA IN SQ. MM	NO. OF STRANDS / NOM. DIA IN SQ. MM	MAX. DC RESISTANCE OHM/KM AT 20°C	NOMINAL INSULATION THICKNESS IN MM	OUTER DIA (APPROX.)	CURRENT RATING IN AMPS.	NOMINAL AREA IN SQ. MM	NO. OF STRANDS / NOM. DIA	MAX. DC RESISTANCE OHM/KM AT 20°C	NOMINAL INSULATION THICKNESS IN MM	OUTER DIA (APPROX.)	CURRENT RATING IN AMPS.
0.50	16 / 0.20	39.00	0.60	2.20	4	70	360/0.5	0.272	1.6	15.5	215
0.75	24 / 0.20	26.00	0.60	2.50	7	95	485/0.5	0.206	1.8	18.5	260
1.00	32 / 0.20	19.50	0.60	2.60	12	120	608/0.5	0.161	2.0	20.9	305
1.50	48 / 0.20	13.30	0.60	2.90	16	150	750/0.5	0.129	2.0	22.5	355
2.50	80 / 0.20	7.98	0.70	3.50	22	185	925/0.5	0.106	2.2	24.6	415
4.00	56 / 0.30	4.95	0.80	4.30	29	240	1221/0.5	0.0801	2.2	27.6	500
6.00	84 / 0.30	3.300	0.80	5.30	37	300	1527/0.5	0.0641	2.4	32.2	585
10.00	140 / 0.30	1.910	1.00	6.70	51	400	2036/0.5	0.0486	2.6	35.7	695
16.00	101 / 0.45	1.210	1.00	8.20	68	500	2540/0.5	0.0384	2.8	38.0	790
25.00	157 / 0.45	0.780	1.20	10.00	86	630	3200/0.5	0.0287	3.0	45.5	905
35.00	220 / 0.45	0.554	1.20	11.3	110	800	4100/0.5	0.0224	3.4	51.0	1050

NOTE : INDUSTRIAL CABLES ABOVE 50 SQ. MM ARE NOT COVERED BY IS 694 BUT ARE AS PER IS-2465  
THE CONDUCTOR CONSTRUCTION GIVEN ABOVE IS INDICATIVE ONLY AND WILL BE SUCH THAT ALL REQUIREMENTS  
OF STRAND DIAMETER AND CONDUCTOR RESISTANCE AS PER IS 694 AND IS 2465 ARE MET.

All information given herein is in good faith. **Hills** shall not be liable for any damages arising out of incorrect uses or interpretation.  
The company reserves the right to change any of the above specification without any prior notice.

website : [www.hillscabworld.com](http://www.hillscabworld.com)  
email : [coustomercare@hillscab.com](mailto:coustomercare@hillscab.com)