



VIDYA

God Made Veins

We Make Wires

Witness The Invincible Energy



VIDYA

VIDYA WIRES PVT LTD

www.vidyawire.com

WE MOVE FORWARD WITH EVERY MILESTONE



WE PREPARE FOR THE VICTORY WE WORK TO WIN

STAR PERFORMER NATIONAL AWARD 2016-17

for Exports by EEPIC.
The Award was presented by
Shri C.R.Chaudhari Minister of
State for Commerce,
on 31.05.2018



GLOBAL BUSINESS EXCELLENCE AWARD 2019

This prestigious award was presented
at Vibrant Gujarat 2019 by
Chief Minister of Gujarat, Shri Vijay Rupani and
Shri Giriraj Singh, MSME Minister, Govt. of India



**OUR POWERFUL CONNECTIONS
OUR ESTEEMED CLIENTS**



SAUDI POWER TRANSFORMERS COMPANY



Solid Conductor

A Solid Copper Conductor is made up of single circular cross-section strand (for a cable) or rectangular cross section bar (for Busbar). It is tougher than a stranded conductor, but rigid and less flexible than a stranded conductor. It plays the crucial role in the manufacturing of Electrical Equipment & Transformer Applications

Nominal Cross Section Area (MM SQ)	Diameter D (MM) (+/- 3%)
1	1.2
1.5	1.5
2.5	1.9
4	2.4
6	2.9
10	3.7
16	4.6
25	5.7
35	6.7
50	7.8
70	9.4
95	11
120	12.4
150	13.5
185	15.4
240	17.6
300	19.8
400	22.2



Stranded Conductor

Stranded Copper Conductors are produced by stranding of copper wires to obtain maximum tensile strength. These types are preferred where the connection requirements are rigid and the wires are in critical criteria. We offer excellent quality Stranded Conductors for high flexibility in the power supply and for Earthing applications in Switchboards, Transformers and Generators.

Nominal Cross Section Area (MM SQ)	Number of Wires/Strands	Diameter D (MM) (+/- 3%)
1	7	1.4
1.5	7	1.7
2.5	7	2.2
4	7	2.7
6	7	3.3
10	7	4.2
16	7	5.3
25	7	6.6
35	7	7.9
50	19	9.1
70	19	11
95	19	12.9
120	37	14.5
150	37	16.2
185	37	18
240	37	20.6
300	61	23.1
400	61	26.1
500	61	29.2



Stranded Flexible Conductors

Stranded Flexible Conductors are made of multiple small strands, which group together to make up a single conductor. It is more flexible than the solid conductors. We provide Stranded Flexible Conductors as high-tolerance cables substantially designed for extra strength, easy handling and to use as connectors for more flexibility.

These types of conductors are used where the cross sectional area of cable are large, to enable the cable to bend easily, these type of conductors are recommended for EHV Power Transformer.

630Nominal Cross Section Area (MM SQ)	Number of Wires	Number of Strands	Single Wires Size D1 (MM) (+/- 2%)	Diameter D (MM)
1	30	7	0.21	1.5
1.5	28	7	0.26	1.8
2.5	48	7	0.26	2.4
4	53	7	0.31	3
6	80	7	0.31	3.9
10	76	7	0.41	5.1
16	121	7	0.41	6.3
25	190	7	0.41	7.8
35	265	7	0.41	9.2
50	380	19	0.41	11
70	344	19	0.51	13.1
95	466	19	0.51	15.1
120	588	37	0.51	17
150	735	37	0.51	19
185	906	37	0.51	21
240	1176	37	0.51	24
300	1470	61	0.51	27
400	1960	61	0.51	31
500	1712	61	0.61	35
630	2157	61	0.61	39



Multi Paper Insulated Copper Conductors



NOMEX

KRAFT

TUP

These efficient connection cables & wires are specially designed for power & distribution in Transformers. They come with premium quality & variety of insulation options for different kind of rigorous applications.

Insulation Plays a Significant role in these cables, there are different types of insulation paper that are used in the manufacturing of these cables as per the client's requirements.

Type of Insulations

- KRAFT
- CREPE
- T.U.P.
- NOMEX
- MICA
- POLYESTER
- TUP + NOMEX



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