



Silica[®]

WIRE & CABLES

www.silicaindia.com



ISO 9001:2000
REGISTERED COMPANY



5011:



Silica *सिलीका* *ब्रह्मर* *कलदीन* *కె.ఎస్.ఆర్* Silica *सिलीका* *ब्रह्मर* *కె.ఎస్.ఆర్*



INTRODUCTION WIRE & CABLES



Hello,

Starting from fledgling organization 15 years ago, SILICA Cables Group of Companies has come a long way in establishing itself as a major player in the cable industry. Since inception SILICA has been setting standards in quality & safety with all its products. The wide product range including LT Power and control cables with PVC insulation, XLPE insulated power cables, Mining cables, Aerial Bunched Cables and Medium Voltage XLPE Insulated cables. All these are made as per the Indian and International Standards laid by various authorities. SILICA is proud to be associated with various utilities, Govt. Undertakings, Consultants and other private organizations.

Not to be satisfied with what it achieved over a span of 15 years, the group ventured into manufacturing and marketing of Electrical products such as Wire & Cables, PVC Conduit Pipe & Accessories, Electrical Accessories, Miniature Circuit Breakers (MCBs), Compact Fluorescent Lamps (CFLs), Switch Gear etc.

SILICA INDUSTRY is one of the leading manufacturer of Wires & Cables in the country. These Wires are manufactured conforming to all recognised national and international specifications. SILICA INDUSTRY is equipped with most modern manufacturing and testing equipments. Each length of Wire is made with the best of materials and skills. So that when you buy SILICA, you buy CONFIDENCE.

(Ajay Kr. Jain)



50Hz



***SILICA Group** is one of the largest Electrical and Power Distribution Equipment Company in the country, manufacturing products ranging from Building Circuit Protection, Industrial & Domestic Switchgear, Wire&Cables , Energy Meters, Fans, Luminaries and Modular Switches.*

***SILICA** is today ranked as India's Fastest Growing Electrical Company and dominates the domestic building circuit protection market.*

*Today, **SILICA** is a name synonymous with excellence and expertise in the electrical industry.*

***SILICA Group** has emerged as the preferred choice for a discerning range of individual and industrial consumers both in India and abroad. The essence of its success lies in the expertise of a fine team of professionals, the strong relationship with associates, the ability to change quickly and efficiently and the vision to think ahead.*

The Cable Division

*Set up in the year 1991, **SILICA Cables plant** (An **ISO 9001:2000 certified unit**) is located in Delhi in India. Since inception, **SILICA** has invested heavily in the manufacturing infrastructure, which has today become one of the reputed company in India. All wire & cables are manufactured on most modern laser controlled automatic machines, using best raw material from primary manufacturers ensuring perfect quality.*

*Innovation is the hallmark of every vital development at **SILICA**. Keeping this philosophy in mind, the company has invested in R&D to make sure that the clients get the advantage of latest technological developments. Through these innovations we have been able to develop special insulating compounds & provide our clients the safest house wiring cables. For us safety of our clients will always be our prime concerns.*



Silica Insulated Fixed/Flexible Cords & Wires
COPPER CONDUCTOR,PVC INSULATED UNSHEATHED WIRES

Nominal Cross Section Area of Conductor	Number/ Nominal Diameter of wires	Thickness of Insulation	Overall Diameter Max.	Current Carrying Capacity	Resistance per Km at 200C	Insulation Resistance at 700C
mm ²	No/mm	mm	mm	Amps	Ohms	M ohm-Km
1.5	1/1.4	0.7	3.2	17.5	12.1	0.011
	7/0.53	0.7	3.3	17.5	12.1	0.010
	30/0.25	0.7	3.4	17.5	13.3	0.010
2.5	1/1.8	0.8	3.9	24	7.41	0.010
	7/0.67	0.8	4.0	24	7.41	0.009
	50/0.25	0.8	4.1	24	7.98	0.009
4	1/2.25	0.8	4.4	32	4.61	0.0085
	7/0.85	0.8	4.6	32	4.61	0.0077
	56/0.30	0.8	4.8	32	4.95	0.0077
6	1/2.76	0.8	5.0	41	3.08	0.00701
	7/1.04	0.8	5.2	41	3.08	0.0065
	84/0.30	0.8	5.3	41	3.30	0.006
10	1/3.57	1.0	6.4	57	1.83	0.0070
	7/1.35	1.0	6.7	57	1.83	0.0065
	80/0.40	1.0	6.8	57	1.91	0.0056
16	7/1.70	1.0	7.8	76	1.15	0.0050
	126/0.40	1.0	8.1	76	1.21	0.0046
25	7/2.14	1.2	9.7	101	0.727	0.0050
	196/0.40	1.2	10.2	101	0.78	0.0044
35	7/2.58	1.2	10.9	125	0.524	0.0043
	276/0.40	1.2	11.7	125	0.524	0.0038
50	19/1.78	1.4	12.8	151	0.4	0.0043
	396/0.40	1.4	13.9	151	0.4	0.0037
70	19/2.14	1.4	14.6	192	0.268	0.0035
	360/0.50	1.4	16.0	192	0.272	0.0032
95	19/2.52	1.6	17.1	232	0.193	0.0035
	475/0.50	1.6	18.2	232	0.206	0.0032
120	37/2.03	1.6	18.8	269	0.153	0.0032
	608/0.50	1.6	20.2	269	0.161	0.0029
150	37/2.25	1.8	20.9	300	0.124	0.0032
	756/0.50	1.8	22.5	300	0.129	0.0029
185	37/2.52	2.0	23.3	341	0.099	0.0032
	925/0.50	2.0	24.9	341	0.106	0.0029
240	61/2.25	2.0	26.6	400	0.0754	0.0032
	1221/0.50	2.0	28.4	400	0.0801	0.0028

Note:-The Number and Diameter of Conductor Strands are for reference only and governed by conductor resistance. For other type of Cords,Wires,ECC,Flat etc the Dimensions,Parameters are available on request.