salzer®

WIRES & CABLES

Wires for life



www. salzergroup.com

IATF 16949

Quality is the Core



Salzer Wires and Cables division, an ISO 9001 & IATF certified company established in the year 2006, manufactures a wide range of Domestic and Industrial Wires for various applications. Salzer uses 99.997% pure ETP grade copper and high quality flame retardant raw material compounds for superior insulation.

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

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

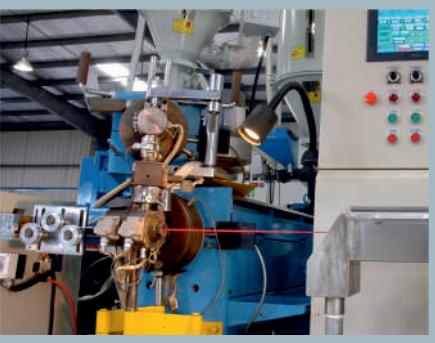
Salzer also specializes in custom-built wires & cables and is a preferred supplier to many leading OEM's and automotive component manufacturers around the world.

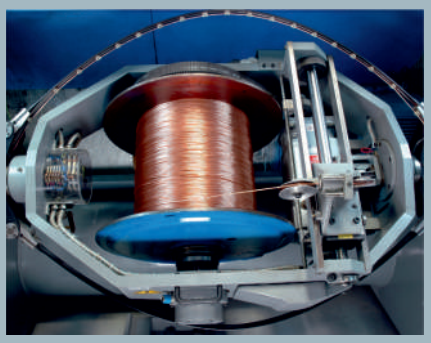


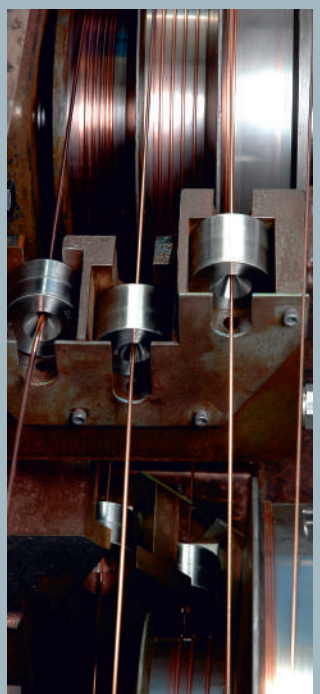




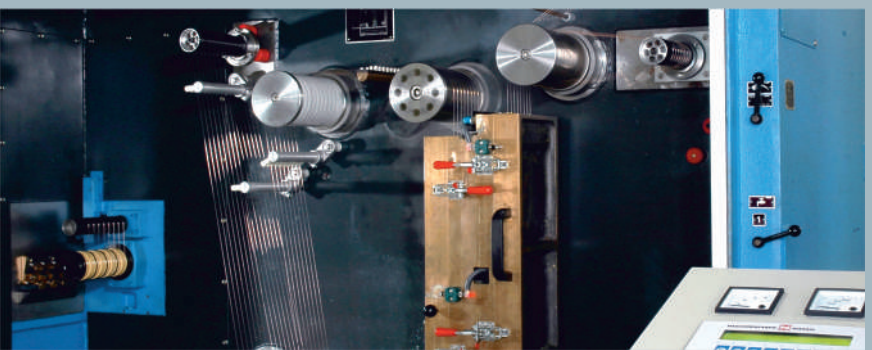






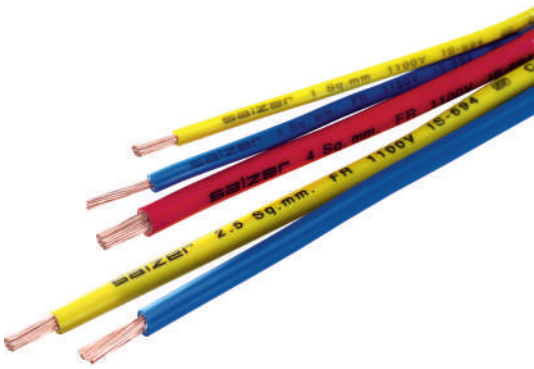






Product Range

FR Building Wires 1100 V (As per IS 694)



Applications : Houses & Bulidings

Construction

Conductor : Plain Annealed Bare Copper Conductor as per IS : 8130
Insulation : FR - PVC
Temp. Range : -20°C to +70°C
Colour : Red / Yellow / Blue / Black / Green

Carton Packing. Offered in 90, 180 and 270 Meters Length

Nominal Area of Conductor	Nominal Thickness of Insulation	Copper Construction No. of Strands / Strand Dia (Max.)	Approx Overall Diameter of Cable	Current Rating	Max DC Resistance at 20°C
Sq.mm	mm	Nos / mm	mm	Amps	Ohm/Km
0.75	0.60	24 / 0.2	2.40	7	26.00
1	0.70	14 / 0.3	2.70	12	18.10
1.5	0.70	22 / 0.3	3.10	16	12.10
2.5	0.80	36 / 0.3	3.70	22	7.41
4	0.80	56 / 0.3	4.10	29	4.95
6	0.80	84 / 0.3	4.70	37	3.30
10	1.00	80 / 0.4	6.30	51	1.91
16	1.00	126 / 0.4	7.30	68	1.21

**Conductor Shall be class-II for 1.0, 1.5 & 2.5 Sqmm & for other size shall be of class V as per IS:8130.

FRLS Building Wires 1100 V (As per IS 694)

Applications : Houses, Factories, Buildings, Theatres, Hospitals, Apartments, Educational Institutions

Construction

Conductor : Plain Annealed Bare Copper Conductor as per IS : 8130
Insulation : FRLS - PVC
Temp. Range : -20°C to +70°C
Colour : Red / Yellow / Blue / Black / Green



Carton packing. Offered in 90, 180 and 270 Meters Length

Nominal Area of Conductor	Nominal Thickness of Insulation	Copper Construction No. of Strands / Strand Dia (Max.)	Approx Overall Diameter of Cable	Current Rating	Max DC Resistance at 20°C
Sq.mm	mm	Nos / mm	mm	Amps	Ohm/Km
1	0.70	32 / 0.2	2.70	11	19.50
1.5	0.70	30 / 0.25	3.10	14	13.30
2.5	0.80	50 / 0.25	3.70	19	7.980
4	0.80	36 / 0.3	4.10	26	4.95
6	0.80	56 / 0.3	4.70	37	3.30

**Conductor Shall be class V as per IS:8130.

PVC Insulated Industrial Cables (Flexible Panel Wires) 1100 V (As per IS 694)

Applications : Panels, Industries, Machines

Construction

Conductor : Plain Annealed Bare Copper Conductor as per IS : 8130

Insulation : PVC / LSZH available on request

Temp. Range : PVC :- 20°C + 70°C / LSZH :-20°C + 90°C

Colour : Red / Yellow / Blue / Black / Green

Carton packing. Offered in 100 Meters Length

Nominal Area of Conductor	Nominal Thickness of Insulation	Copper Construction No. of Strands / Strand Dia (Max.)	Approx Overall Diameter of Cable	Current Rating	Max DC Resistance at 20°C
Sq.mm	mm	Nos / mm	mm	Amps	Ohm/Km
0.5	0.6	16 / 0.2	2.10	4	39.00
0.75	0.6	24 / 0.2	2.30	7	26.00
1	0.6	32 / 0.2	2.45	11	19.50
1.5	0.7	30 / 0.25	3.00	14	13.30
2.5	0.8	50 / 0.25	3.60	19	7.98
4	0.8	56 / 0.3	4.10	26	4.95
6	0.8	84 / 0.3	4.60	37	3.30
10	1.0	80 / 0.4	6.00	51	1.91
16	1.0	126 / 0.4	7.20	68	1.21
25	1.2	196 / 0.4	9.10	86	0.78
35	1.2	276 / 0.4	10.20	113	0.55
50	1.4	396 / 0.4	12.30	153	0.39
70	1.4	360 / 0.5	14.30	238	0.27
95	1.6	484 / 0.5	17.95	289	0.21
120	1.6	608 / 0.5	20.00	339	0.16
150	1.8	750 / 0.5	21.50	394	0.13
185	2.0	925 / 0.5	23.90	461	0.11



PVC Insulated and Sheathed 1100 V Multicore Industrial Cables as per IS:694



Applications : Electrical Operated Machines, Air Conditioners, Refrigerators, Motors

Construction

Conductor : Plain Annealed Bare Copper Conductor as per IS : 8130

Insulation : PVC Temp. Range : -20°C to +70°C

Core Colour : 2 Core - Red / Black, 3 Core - Red / Black / Yellow Green 4 Core - Red / Yellow / Blue / Yellow Green

Coil packing. Offered in 100 Meters Length

Nominal Area of Conductor	Nominal Thickness of Insulation	Copper Construction No. of Strands / Strand Dia (Max.)	2 Core		3 Core		4 Core		Max DC Resistance at 20°C
			Nominal Thickness of Sheath	Approx Overall Dia	Nominal Thickness of Sheath	Approx Overall Dia	Nominal Thickness of Sheath	Approx Overall Dia	
mm2	mm	Nos / mm	mm	mm	mm	mm	mm	mm	Ohm/Km
0.5	0.6	16 / 0.2	0.9	6.9	0.9	7.3	0.9	8.0	39.0
0.75	0.6	24 / 0.2	0.9	7.3	0.9	7.7	0.9	8.4	26.0
1.0	0.6	32 / 0.2	0.9	7.6	0.9	8.1	0.9	8.8	19.5
1.5	0.6	30 / 0.25	0.9	8.9	0.9	9.4	0.9	10.4	13.3
2.5	0.7	50 / 0.25	1.0	10.3	1.0	10.9	1.0	12.0	7.98
4.0	0.8	56 / 0.3	1.0	11.6	1.0	12.4	1.0	13.6	4.95
6.0	0.8	84 / 0.3	1.1	13.0	1.2	13.8	1.2	15.5	3.3
10	1.0	80 / 0.4	1.3	16.5	1.4	17.7	1.4	19.5	1.91
16	1.0	126 / 0.4	1.4	19.4	1.4	20.6	1.4	23.0	1.21
25	1.2	196 / 0.4	1.4	23.8	1.5	25.6	1.6	28.5	0.8
35	1.2	276 / 0.4	1.6	27.2	1.6	29.3	1.7	32.7	0.6

3 Core Flat Submersible Cables as per IS 694



Applications : Submersible Pumps, Industrial use

Conductor : Plain Annealed Bare Copper Conductor as per IS : 8130

Insulation : PVC

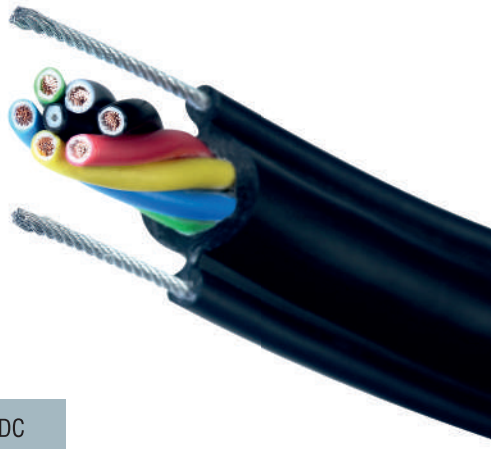
Core Colour : Red / Yellow / Blue

Drum Packing. Offered in 500, 1000 Meters length.

Nominal Area of Conductor	Nominal Thickness of Insulation	Copper Construction No. of Strands / Strand Dia (Max.)	Nominal Thickness of Sheath	Approx Overall Diameter of Cable	Max DC Resistance at 20°C	Current Carrying Capacity @ 40°C
mm	mm	Nos / mm	mm	W x H	Ohms/Km	Ohm/Km
1.0	0.60	14 / 0.3	0.90	9.80 x 4.60	18.10	8
1.5	0.60	22 / 0.3	0.90	11.50 x 5.50	12.10	16
2.5	0.70	36 / 0.3	1.00	13.50 x 6.50	7.41	22
4.0	0.80	56 / 0.3	1.10	15.80 x 7.20	4.95	29
6.0	0.80	84 / 0.3	1.10	17.50 x 7.50	3.30	37
10	1.00	80 / 0.4	1.40	21.40 x 8.80	1.91	51
16	1.00	126 / 0.4	1.40	24.40 x 9.90	1.21	68
25	1.20	196 / 0.4	1.50	32.00 x 13.00	0.78	86
35	1.20	276 / 0.4	1.60	35.50 x 14.50	0.55	110
50	1.40	396 / 0.4	2.20	46.5 x 19.30	0.38	145

*Conductor Shall be class-II for 1.0, 1.5 & 2.5 Sqmm & for other size shall be of class V as per IS:8130.

Pendant Cables



Application : For use in Hoist and Pendant applications.

Construction
Flexible Stranded Bare Copper Conductors, PVC Insulation,
Oil Resistant Yellow/Black PVC Jacket.

Temp. Range : -40°C to +70°C

Supporting element is Galvanized round steel wire.

Drum Packing. Offered in 500, 1000 Meters length.

Nominal Area of Conductor	No of Strands/ Strand Dia Max.	No of Cores	Nominal Thickness of Insulation	Approx Overall Diameter of Cable	Max DC Resistance at 20°C
1.5	48 / 0.2	3	0.7	16.0(8.10)	13.3
1.5	48 / 0.2	6	0.7	22.5(12.7)	13.3
1.5	48 / 0.2	10	0.7	25.0(15.10)	13.3
1.5	48 / 0.2	12	0.7	27.3(15.3)	13.3
1.5	48 / 0.2	16	0.7	29.0(17.0)	13.3
1.5	48 / 0.2	18	0.7	30.5(17.5)	13.3
1.5	48 / 0.2	24	0.7	33.0(20.0)	13.3

Flat Travelling Cables



Applications : Elevators, Lifts

Construction

Conductor : Stranded Copper wire According to VDE 0295 Class 5/IEC 60228 Cl 5

Insulation : PVC TI2 according to EN 50363 part 3

Temp. Range : -20°C to +70°C

Jacket : PVC TM2 according to EN 50363 - 4 -1

Drum Packing. Offered in 500, 1000 Meters length.

Nominal Area of Conductor	No of strands/ Strand Dia	No of Cores	Nominal Thickness of Insulation	Approx Overall Diameter of Cable (W x H)
Sq.mm	Nos / mm	Nos	mm	Ohm/Km
0.5	16 / 0.21	12	0.6	30.0 x 4.0
0.75	24 / 0.21	12	0.6	34.5 x 4.5
0.5	16 / 0.21	24	0.6	56.0 x 4.0
0.75	24 / 0.21	24	0.6	68.0 x 4.5
24C x 0.75+1.5+0.5x4C Travelling Cable				49.0 x 9.0

Flat Crane Cables



Applications:
Operation of Hoists, handling and conveying equipment under medium mechanical stress conditions.

Conductor:
Multi stranded Copper Conductor as per DIN EN 60228

Insulation:
PVC TI2 according to EN 50363 part 3
Temperature range - 40°C to + 70°C

Jacket:
PVC TM2 according to EN 50363 - 4 -1
Temperature range - 40°C to + 70°C

Drum Packing. Offered in 500, 1000 Meters length.

Size	Conductor Construction (No of Strands/Strand dia)	Thickness of Insulation	Overall Diameter of Cable (W x H)	
Sq.mm	Nos / mm	in mm	Min (mm)	Max (mm)
4G - 1.5	80 / 0.152	0.8	17.0 X 6.0	19.0 X 8.0
4G - 2.5	135 / 0.152	0.8	19.0 X 7.0	22.0 X 9.0
4G - 4.0	224 / 0.152	0.9	19.0 X 6.0	22.0 X 8.0
4G - 6.0	180 / 0.2	1.0	26.0 X 8.0	29.0 X 10.0
4G - 10	196 / 0.25	1.2	31.0 X 9.0	35.0 X 12.0
4G - 16	308 / 0.254	1.4	36.0 X 11.0	40.0 X 14.0
4G - 25	352 / 0.3	2.0	41.0 X 12.0	43.0 X 14.0
4G - 35	476 / 0.3	1.4	43.5 X 13	46.5 X 15
4G - 50	396 / 0.4	1.4	50.5 X 14.5	52.5 X 16.5
8G - 1.5	80 / 0.152	0.8	30.0 X 6.0	33.0 X 8.0
8G - 2.5	135 / 0.152	0.8	35.0 X 5.0	38.0 X 7.0
12G - 1.5	80 / 0.152	0.8	42.0 X 5.0	45.0 X 7.0
12G - 2.5	135 / 0.152	0.8	49.5 X 6.5	52.5 X 8.5
13G - 1.5	80 / 0.152	0.8	28.0 x 10.0	31.0 x 12.0

UL Cables

Applications : Internal Wiring of appliances & Machine Tool Wiring (UL-1063)

Standard : Appliance Wiring Material UL 758
Insulation & Sheathing : PVC RoHS
Temperature range : - 20°C to + 105°C

Coil and drum packing. Offered in 305 Meters, 500 Meters, 1000 Meters length.

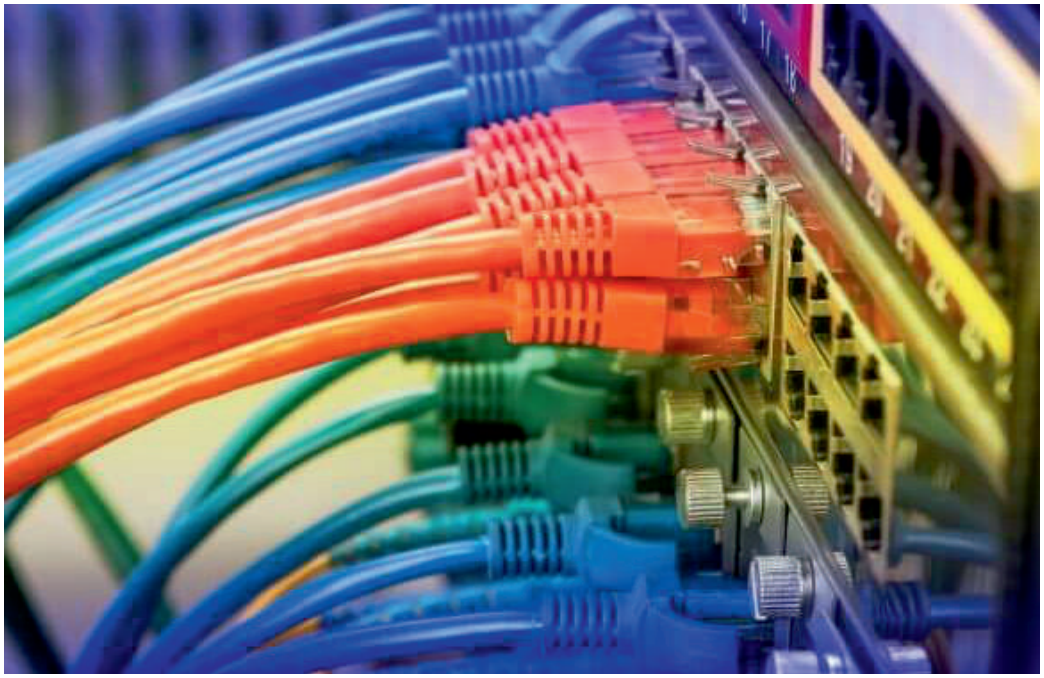
Table of Recognized Styles							
Singleconductor, Thermoplastic insulation					Multipleconductor, Thermoplastic insulation		
1007	1032	1284	10107	10531	2129	2464	2587
1015	1275	1569	10269	11343			

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ISO 9001 / 14001 / 18001 / IATF

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From Cat 5 to Cat 7



Other products

● Cam Operated Rotary Switches ● Load Break Switches ● Terminal Connectors ● General Purpose Relays ● Toroidal Transformers ● Three-phase Transformers, Chokes, Filters & Inductors ● Modular Switches ● Wires & Cables ● Wire Harness ● Motor Control Products ● Limit & Foot Switches ● Control Panels ● Wiring Ducts ● Sensors

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