MARUTI®

Future-ready Winding Solutions

Company Profile

We at, Maruti Wiretech Pvt. Ltd. are committed to serve our customers by providing them superior quality of tape wrapped insulated winding wires for submersible pump-motors as per IS 8783 (Part 4-sec.3) : 1995, by adopting latest technology & keeping highest quality standard/checks from selection of raw material till dispatch of finish product.

We have the license from Bureau of Indian Standard (ISI) for making the cables under ISI MARK & by putting our continual efforts to upgrade the quality/service standards, we want to become a global leader of the product, we produce.

We take pride in introducing ourselves as one of India's leading Manufacturers of Poly Coated Winding Wires of Submersible Pump & Motors.

70% of the Earth is not earth-it is water.

Still, on the other hand, the prevailing water scarcity is driving the world towards a very testing time ahead. Sourcing water from ground requires better and efficient submersible pumps and motors. Submersible motors are made to function underwater (or other fluids) and the winding wires used in them accordingly require high quality insulation which is impervious to liquids. Maruti Winding Wires are specially designed to meet the requirements of this application. They have proven their durability and reliability over many decades and ensure trouble-free operation and long motor life.

We are a professionally managed company with our focus on providing Future-ready Winding Solutions that will ensure the error-free efficiency, zero-worry reliability and time-proof durability. We take pride in introducing ourselves as one of India's leading manufacturers of poly coated winding wires of submersible pump & motors.

Our Mission

Our mission is to continuously engage in innovation to meet the changing dynamics of the world. While our eyes are on the future, we are consolidating our expertise and experience of nearly 2 decades to provide our customers value-added products that meet their demands not just today, but for the times to come. Our aim is to become the trusted power behind the water reliance in the world.

House Wire & Flexible Cable
Building Wires

CONSTRUCTION

Structure : Generally conforms to IS 694, BS 6004, IEC 60227, DIN VDE 0281 -3, IS 8130 & IS 5831

Conductor : EC grade flexible copper class 5 generally conforms IEC 60228, IS 8130

Insulation : FR+HR/FRLS-H/ZHFR Insulation compound with a high insulation resistance value (-15C to +70C / +90C / +105C)

Colour : Red, Blue, Black, Brown, Grey, Orange, White, Green, Yellow (Any other colour on specific request can also be supplied)

Application : Fixed installation in conduits and under plaster for Power distribution to electrical appliances & Lighting in Houses, Commercial Complexes, Shopping Malls, Buildings, Industries, Hospitals, Apartments etc.

Features of “MARUTI” Flexible Cables (FR/FRLS/ZHFR)

For continuous use in deep well to supply power to submersible motors for the depth upto 500 mtrs.

SPECIAL FEATURES

“FR” PVC Insulated Cable

- High flame retardant properties
- Excellent resistant to moisture, abrasion, grace, oil
- Longer Flex Life
- Excellent mechanical & electrical properties
- Tested by SGS, EIL, RITES, NPC, INTERTEK
- Tested by SGS, EIL, RITES, NPC, INTERTEK

“FRLS” PVC Insulated Cable

- Better Flame retardant property
- Less Halogen acid gas evolution
- Resistant to tamishing of copper
- Excellent resistant to moisture, abrasion, grace, oil
- Excellent mechanical & electrical properties

"ZHFR" PVC Insulated Cable

- Zero Halogen acid gas evolution
- Non corrosive and non toxic insulation
- High temperature resistant insulation
- Resistance to tarnishing of copper

SINGLE CORE INDUSTRIAL FLEXIBLE CABLE UP TO 1100V

Nominal Cross sectional area of conductor	Number/ Nominal dia of strands	Nominal Insulation Thickness	Max. Overall Diameter	Max. Conductor Resistance at 20C	Current Rating	
					Casing	Concealed
Sq. mm	mm	mm	mm	Ohm / mm	AMPS	AMPS
1.0	14/0.30	0.7	2.8	18.1	14	13
1.5	22/0.30	0.7	3.0	12.1	18	16
2.5	36/0.30	0.8	3.7	7.41	24	20
4.0	56/0.30	0.8	4.2	4.95	32	26
6.0	84/0.30	0.8	4.8	3.30	42	35

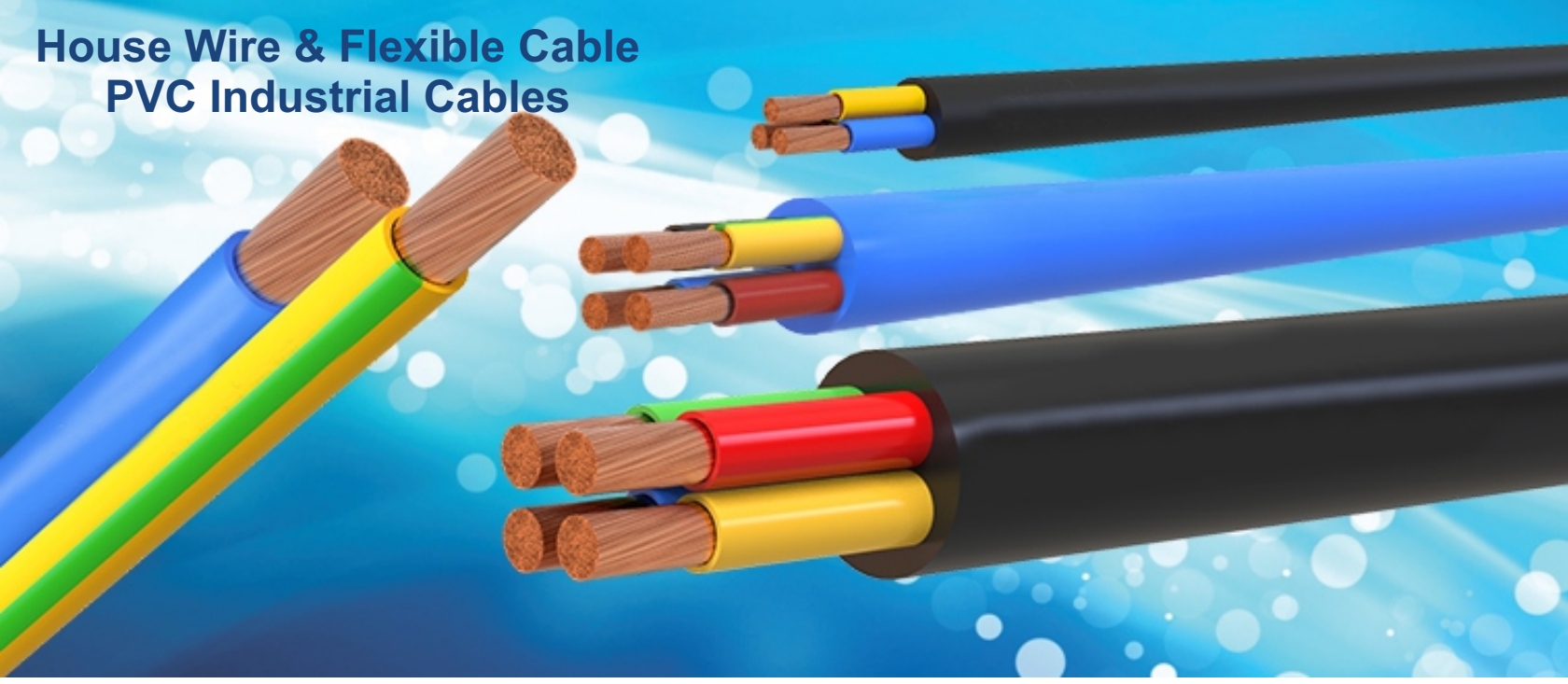
FR PROPERTIES

Test	Specified	Specified Values
Limited Oxygen Index Test	IS 10810-58	>29%
Limited Temperature Index Test	IS 10810-65	>250%

FRLS/ZHFE PROPERTIES

Test	Specified	Specified Values
Limited Oxygen Index Test	ASTN-D 2863	>32%
Limited Temperature Index Test	ASTM-D 2863	>250%
Smoke Density (Light Absorption)	ASTM-D 2843	<50%
Acid Gas Generation	1 EC-607 54-1	<15%

House Wire & Flexible Cable
PVC Industrial Cables



CONSTRUCTION

Conductor : Finely stranded bare flexible copper conductor

Insulation : PVC

Sheath : PVC

Colour : 3core : Red, Yellow, Blue Or Brown, Blue, Black
4core : Red, Yellow, Blue, Green Or Brown, Blue, Black, Yellow with Green line Or Green with Yellow line

CABLE FEATURES

- Special heat resistant insulation
- Higher current carrying capacity
- Fine copper wires
- Highly thermal stable insulation
- Excellent resistant to moisture, abrasion, grace, oil
- Longer Flex Life
- Excellent mechanical & electrical properties
- Tested by SGS, EIL, TITES, NPC, INTERTEK
- Operating Temp -15C to +70C / +90C/ +150C

APPLICATIONS

Power wiring to appliance Sockets, Machineries, Industrial lighting, Penal boards, Batteries, D.C. Power Transfer etc.

STANDARD LENGTH CABLE PACKING

Coils 90m, 100m, 500m, 1000m, 2000m in carton boxes, reels

PVC SINGLE CORE INDUSTRIAL FLEXIBLE CABLE UP TO 1100V

Nominal Cross sectional area of conductor	Number/ Nominal dia of strands	Nominal Insulation Thickness	Max. Overall Diameter	Max. Conductor Resistance at 20C	Current Rating
Sq. mm	mm	mm	mm	Ohm / mm	AMPS
0.50	16/0.20	0.30	2.60	39.0	6
0.75	24/0.20	0.60	2.80	26.0	9
1.00	32/0.20	0.60	3.00	19.5	14
1.50	30/0.25	0.60	3.40	13.3	18
2.50	50/0.25	0.70	4.10	7.98	24
4.00	56/0.30	0.80	4.80	4.95	32
6.00	84/0.30	0.80	5.30	3.30	42
10.00	140/0.30	1.00	7.00	1.91	55
16.00	224/0.30	1.00	8.10	1.21	72
25.00	350/0.30	1.20	1.20	0.78	100
35.00	490/0.30	1.40	11.70	0.554	125
50.00	703/0.30	1.40	13.90	0.386	165
70.00	988/0.30	1.40	16.00	0.272	240
95.00	1349/0.30	1.60	18.20	0.206	300
120.00	608/0.50	1.60	20.20	0.161	325
185.00	943/0.50	1.80	22.50	0.106	400
240.00	1223/0.50	2.00	24.90	0.0801	475
300.00	1528/0.50	2.20	28.40	0.0641	550
400.00	2035/0.50	2.40	31.00	0.0486	670
500.00	2553/0.50	2.60	41.00	0.0384	750

PVC MULTI CORE ROUND FLEXIBLE INDUSTRIAL CABLE UP TO 1100V

Nominal Cross sectional area of conductor	Number/ Nominal dia of strands	Nominal Insulation Thickness	Nominal Sheath Thickness mm			Max. Overall Diameter in mm			Max. Conductor Resistance at 20C	Current Rating
Sq. mm	mm	mm	mm	mm	mm	mm	mm	mm	Ohm / mm	AMPS
0.50	16/0.20	060	0.90	0.90	0.90	6.90	7.30	8.00	39.00	6
0.75	24/0.20	0.60	0.90	0.90	0.90	7.30	7.70	8.40	26.00	9
1.00	32/0.20	0.60	0.90	0.90	0.90	7.60	8.10	8.80	19.50	14
1.50	30/0.25	0.60	0.90	1.00	1.00	8.90	9.40	10.40	13.30	18
2.50	50/0.25	0.70	1.00	1.00	1.00	10.30	10.80	12.00	7.98	24
4.00	56/0.30	0.80	1.00	1.20	1.00	11.60	12.40	13.60	4.95	32
6.00	84/0.30	0.80	1.10	1.40	1.20	13.00	13.80	15.7	3.30	33
10.00	140/0.30	1.00	1.30	1.40	1.40	16.50	17.69	19.50	1.91	45
16.00	224/0.30	1.00	1.40	1	1.40	19.40	20.60	23.00	1.21	60
25.00	350/0.30	1.20	1.40	50	1.60	23.80	29.30	28.50	0.78	75
35.00	490/0.30	1.20	1.60	1.60	1.70	27.20	34.60	32.70	0.554	95
50.00	703/0.30	1.40	2.00	2.00	2.00	32.00	39.60	38.60	0.386	125

LT Power and Control Cables
PVC Unarmoured Cables

CABLE STRUCTURE

Conductor : Material - Copper According to VDE 0295 class 1 or 2 (IEC 60228, IS 8130)

Insulation : PVC Type A as per IS:5831

Inner Sheath : PVC

Outer Sheath : PVC Type ST-1 of IS:5831

TECHNICAL DATA

Operating Temp : -20C to max +91C
Nominal Voltage : 1100 V
Test Voltage : 3000 V
Insulation Resistance : Min 10M x km
Min. bending radius : Single Core : 15 x Overall diameter
Multi Core : 12 x Overall diameter
Flame propagation : Flame retardant test as per IEC 60332-1

APPLICATIONS

Power cables for energy supply are installed outdoor, in underground, in water, indoors, in cable ducts, power stations, for industry and distribution boards as well subscriber networks, where mechanical damages are not to be expected.

STANDARD LENGTH CABLE PACKING
Coils 100, 200, 300, 500, 1000 m in wooden reels

COLOR CODING : AS IS 1554 (INDIAN STANDARD)

Single Core	2 Core	3 Core	4 Core	5 Core
Red or Black	Red, Black	Red, Yellow, Blue	Red, Yellow, Blue, Black	Red, Yellow, Blue, Black, Grey

COLOR CODING : AS IEC 60502 PARE-1, B.S. 6346

Single Core	2 Core	3 Core	4 Core	5 Core
Black or Yellow/Green	Blue and Brown or Yellow-Green and Black	Brown, Black, Grey or Yellow/Green Blue, Brown	Blue, Brown, Black Grey or Yellow/Green Brown, Black, Grey	Blue, Brown, Black, Grey, Black or Yellow/Green, Blue Brown, Black, Grey

TECHNICAL DATA TABLE

MARUTI 1.1 kV 3 CORE COPPER CONDUCTOR PVC INSULATED, INNER SHEATHED UN ARMOURED PVC SHEATHED CABLES (IS:1554 PART - 1)
CABLE CODE : YY

SIZE (MM2)	INSULATION PVC THICKNESS IN MM (NOM)	INNER SHEATH PVC THICKNESS IN MM (MIN)	OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
							Direct In Ground	In Air
3 C X 1.5	0.80	0.30	1.80	11.60	201	12.10	21	17
3 C X 2.5	0.90	0.30	1.80	12.80	256	7.41	27	24
3 C X 4	1.00	0.30	1.80	14.95	365	4.61	36	30
3 C X 6	1.00	0.30	1.80	16.00	447	3.08	45	39
3 C X 10	1.00	0.30	1.80	18.15	623	1.83	60	52
3 C X 16	1.00	0.30	2.00	20.70	877	1.15	77	66
3 C X 25	1.20	0.30	2.00	21.30	1138	0.727	99	90
3 C X 35	1.20	0.30	2.00	23.25	1472	0.524	120	110
3 C X 50	1.40	0.30	2.00	26.55	2027	0.387	145	135
3 C X 70	1.40	0.40	2.20	29.65	2658	0.268	175	165
3 C X 95	1.60	0.40	2.20	33.60	3574	0.193	210	200
3 C X 120	1.60	0.40	2.20	36.25	4409	0.153	240	230
3 C X 150	1.80	0.50	2.40	40.40	5484	0.124	270	265
3 C X 185	2.00	0.50	2.40	44.00	6632	0.0991	300	305
3 C X 240	2.20	0.60	2.60	49.20	8412	0.0754	345	355
3 C X 300	2.40	0.60	2.80	54.30	10434	0.0601	385	400
3 C X 400	2.60	0.70	3.20	61.70	13823	0.0470	425	455

MARUTI 1.1 kV 4 CORE COPPER CONDUCTOR PVC INSULATED, INNER SHEATHED UN ARMOURED PVC SHEATHED CABLES (IS:1554 PART - 1) CABLE CODE : YY								
SIZE (MM2)	INSULATION PVC THICKNESS IN MM (NOM)	INNER SHEATH PVC THICKNESS IN MM (MIN)	OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
							Direct In Ground	In Air
4 C X 1.5	0.80	0.30	1.80	12.50	235	12.10	21	17
4 C X 2.5	0.90	0.30	1.80	13.80	303	7.41	27	24
4 C X 4	1.00	0.30	1.80	16.25	438	4.61	36	30
4 C X 6	1.00	0.30	1.80	17.45	541	3.08	45	39
4 C X 10	1.00	0.30	2.00	20.25	782	1.83	60	52
4 C X 16	1.00	0.30	2.00	22.90	1095	1.15	77	66
4 C X 25	1.20	0.30	2.00	25.35	1361	0.727	99	90
4 C X 35	1.20	0.30	2.00	27.85	1770	0.524	120	110
4 C X 50	1.40	0.30	2.20	32.40	2469	0.387	145	135
4 C X 70	1.40	0.40	2.20	35.85	3211	0.268	175	165
4 C X 95	1.60	0.40	2.40	41.25	4358	0.193	210	200
4 C X 120	1.60	0.40	2.40	44.70	5386	0.153	240	230
4 C X 150	1.80	0.50	2.60	49.55	6664	0.124	270	265
4 C X 185	2.00	0.50	2.80	54.70	8134	0.0991	300	305
4 C X 240	2.20	0.60	3.00	60.90	10275	0.0754	345	355
4 C X 300	2.40	0.60	3.40	67.90	12838	0.0601	385	400
4 C X 400	2.60	0.70	3.60	76.75	16919	0.0470	425	455

LT Power and Control Cables
PVC Armoured Cables

CABLE STRUCTURE

Conductor : Material - Copper According to VDE 0295 class 1 or 2 (IEC 60228, IS 8130)
Insulation : PVC Type A as per IS:5831
Inner Sheath : PVC
Armouring : Single layer of GS round wire or Flat Strips
Outer Sheath : PVC Type ST-1 of IS:5831

TECHNICAL DATA

Operating Temp : -20C to max +91C
Nominal Voltage : 1100 V
Test Voltage : 3000 V
Insulation Resistance : Min 10M x km
Min. bending radius : Single Core : 15 x Overall diameter
Multi Core : 12 x Overall diameter
Flame propagation : Flame retardant test as per IEC 60332-1

APPLICATIONS

Power cables for energy supply are installed outdoor, in underground, in water, indoors, in cable ducts, power stations, for industry and distribution boards as well subscriber networks, where mechanical damages are not to be expected.

STANDARD LENGTH CABLE PACKING
Coils 100, 200, 300, 500, 1000 m in wooden reels

COLOR CODING : AS IS 1554 (INDIAN STANDARD)

Single Core	2 Core	3 Core	4 Core	5 Core
Red or Black	Red, Black	Red, Yellow, Blue	Red, Yellow, Blue, Black	Red, Yellow, Blue, Black, Grey

COLOR CODING : AS IEC 60502 PARE-1, B.S. 6346

Single Core	2 Core	3 Core	4 Core	5 Core
Black or Yellow/Green	Blue and Brown or Yellow-Green and Black	Brown, Black, Grey or Yellow/Green Blue, Brown	Blue, Brown, Black Grey or Yellow/Green Brown, Black, Grey	Blue, Brown, Black, Grey, Black or Yellow/Green, Blue Brown, Black, Grey

TECHNICAL DATA TABLE

MARUTI 1.1 kV 3 CORE COPPER CONDUCTOR PVC INSULATED, INNER SHEATHED ARMOURED PVC SHEATHED CABLES (IS:1554 PART - 1)
CABLE CODE : YWY/YFY

SIZE (MM2)	INSULATION PVC THICKNESS IN MM (NOM)		INNER SHEATH PVC THICKNESS IN MM (MIN)	ARMOUR SIZE IN MM (G.I.)		OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH O/D IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
	MAIN CORE	HALF CORE		W	H					Direct In Ground	In Air
3 C X 25	0.90	0.70	0.30	4.0	0.80	1.40	22.70	1424	0.727	120	125
3 C X 35	0.90	0.70	0.30	4.0	0.80	1.40	24.50	1748	0.524	145	155
3 C X 50	1.00	0.90	0.30	4.0	0.80	1.56	28.50	2391	0.387	170	190
3 C X 70	1.10	0.90	0.40	4.0	0.80	1.50	32.15	3108	0.268	210	235
3 C X 95	1.10	1.00	0.40	4.0	0.80	1.56	36.10	4082	0.193	250	290
3 C X 120	1.20	1.10	0.50	4.0	0.80	1.72	40.50	5135	0.153	285	330
3 C X 150	1.40	1.10	0.50	4.0	0.80	1.88	44.10	6137	0.124	315	375
3 C X 185	1.60	1.10	0.60	4.0	0.80	2.04	49.15	7542	0.0991	355	435
3 C X 240	1.70	1.20	0.70	4.0	0.80	2.20	54.60	9433	0.0754	410	510
3 C X 300	1.80	1.40	0.80	4.0	0.80	2.36	60.40	11567	0.0601	460	590
3 C X 400	2.00	1.60	0.80	4.0	0.80	2.52	68.10	14983	0.0470	520	670
3 C X 500	2.20	1.70	1.00	4.0	0.80	2.84	76.10	18699	0.0366	580	750

TECHNICAL DATA TABLE

MARUTI 1.1 kV 3 CORE COPPER CONDUCTOR PVC INSULATED, INNER SHEATHED ARMOURED PVC SHEATHED CABLES (IS:1554 PART - 1) CABLE CODE : YWY/YFY										
SIZE (MM2)	INSULATION PVC THICKNESS IN MM (NOM)	INNER SHEATH PVC THICKNESS IN MM (MIN)	ARMOUR SIZE IN MM (G.I.)		OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH O/D IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
			W	H					Direct In Ground	In Air
3 C X 1.5	0.80	0.30	1.40	1.40	1.24	13.20	337	12.10	21	17
3 C X 2.5	0.90	0.30	1.40	1.40	1.24	14.40	454	7.41	27	24
3 C X 4	1.00	0.30	1.40	1.40	1.24	16.50	603	4.61	36	30
3 C X 6	1.00	0.30	1.40	1.40	1.40	17.90	720	3.08	45	39
3 C X 10	1.00	0.30	4.0	0.80	1.40	18.85	828	1.83	60	52
3 C X 16	1.00	0.30	4.0	0.80	1.40	21.00	1092	1.15	77	66
3 C X 25	1.20	0.30	4.0	0.80	1.40	21.60	1270	0.772	99	90
3 C X 35	1.20	0.30	4.0	0.80	1.40	23.50	1602	0.524	120	110
3 C X 50	1.40	0.30	4.0	0.80	1.40	26.85	2141	0.387	145	135
3 C X 70	1.40	0.40	4.0	0.80	1.56	29.95	2762	0.268	175	165
3 C X 95	1.60	0.40	4.0	0.80	1.56	33.90	3636	0.193	210	200
3 C X 120	1.60	0.40	4.0	0.80	1.56	36.55	4438	0.153	240	230
3 C X 150	1.80	0.50	4.0	0.80	1.72	40.60	5448	0.124	270	265
3 C X 185	2.00	0.50	4.0	0.80	1.88	44.50	6555	0.0991	300	305
3 C X 240	2.20	0.60	4.0	0.80	2.04	49.60	8220	0.0754	345	355
3 C X 300	2.40	0.60	4.0	0.80	2.20	54.70	10112	0.0601	385	400
3 C X 400	2.60	0.70	4.0	0.80	2.36	61.60	13208	0.0470	425	455

MARUTI 1.1 kV 4 CORE COPPER CONDUCTOR PVC INSULATED, INNER SHEATHED ARMOURED PVC SHEATHED CABLES (IS:1554 PART - 1) CABLE CODE : YWY/YFY										
SIZE (MM2)	INSULATION PVC THICKNESS IN MM (NOM)	INNER SHEATH PVC THICKNESS IN MM (MIN)	ARMOUR SIZE IN MM (G.I.)		OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH O/D IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
			W	H					Direct In Ground	In Air
4 C X 1.5	0.80	0.30	1.40	1.40	1.24	14.10	446	12.10	21	17
4 C X 2.5	0.90	0.30	1.40	1.40	1.24	15.40	544	7.41	27	24
4 C X 4	1.00	0.30	1.40	1.40	1.40	18.15	750	4.61	36	30
4 C X 6	1.00	0.30	1.40	1.40	1.40	18.20	778	3.08	45	39
4 C X 10	1.00	0.30	4.0	0.80	1.40	20.55	1041	1.83	60	52
4 C X 16	1.00	0.30	4.0	0.80	1.40	23.20	1398	1.15	77	66
4 C X 25	1.20	0.30	4.0	0.80	1.40	25.65	1690	0.727	99	90
4 C X 35	1.20	0.30	4.0	0.80	1.56	28.55	2168	0.524	120	110
4 C X 50	1.40	0.40	4.0	0.80	1.56	32.70	2904	0.387	145	135
4 C X 70	1.40	0.40	4.0	0.80	1.56	36.16	3698	0.268	175	165
4 C X 95	1.60	0.40	4.0	0.80	1.72	41.45	4913	0.193	210	200
4 C X 120	1.60	0.50	4.0	0.80	1.88	45.20	6030	0.153	240	230
4 C X 150	1.80	0.50	4.0	0.80	2.04	49.95	7370	0.124	270	265
4 C X 185	2.00	0.60	4.0	0.80	2.20	55.10	8916	0.0991	300	305
4 C X 240	2.20	0.60	4.0	0.80	2.36	61.20	11137	0.0754	345	355
4 C X 300	2.40	0.70	4.0	0.80	2.52	67.70	13715	0.0601	385	400
4 C X 400	2.60	0.70	4.0	0.80	2.84	76.75	17961	0.0470	425	455

LT Power and Control Cables
XLPE Unarmoured Cables

CABLE STRUCTURE

Conductor : Material - Copper / Aluminium solid or stranded wires class 1 or 2 according to IEC 60228, IS 8130

Insulation : XLPE-Cross linked polyethylene compound

Inner Sheath : PVC

Outer Sheath : PVC Type ST-2 of IS:5831

TECHNICAL DATA

Operating Temp : -20C to max +91C

Nominal Voltage : 1100 V

Test Voltage : 3000 V

Insulation Resistance : Min 10M x km

Min. bending radius : Single Core : 15 x Overall diameter
Multi Core : 12 x Overall diameter

Flame propagation : Flame retardant test as per IEC 60332-1

APPLICATIONS

Power cables for energy supply are installed outdoor, in underground, in water, indoors, in cable ducts, power stations, for industry and distribution boards as well subscriber networks, where mechanical damages are not to be expected.

STANDARD LENGTH CABLE PACKING

Coils 100, 200, 300, 500, 1000 m in wooden reels

COLOR CODING : AS IS 1554 (INDIAN STANDARD)

Single Core	2 Core	3 Core	4 Core	5 Core
Red or Black	Red, Black	Red, Yellow, Blue	Red, Yellow, Blue, Black	Red, Yellow, Blue, Black, Grey

COLOR CODING : AS IEC 60502 PARE-1, B.S. 6346

Single Core	2 Core	3 Core	4 Core	5 Core
Black or Yellow/Green	Blue and Brown or Yellow-Green and Black	Brown, Black, Grey or Yellow/Green Blue, Brown	Blue, Brown, Black Grey or Yellow/Green Brown, Black, Grey	Blue, Brown, Black, Grey, Black or Yellow/Green, Blue Brown, Black, Grey

TECHNICAL DATA TABLE

MARUTI 1.1 kV 3 CORE COPPER CONDUCTOR XLPE INSULATED, INNER SHEATHED UN ARMOURED PVC SHEATHED CABLES (IS:7098 PART - 1)
CABLE CODE : 2X-Y

SIZE (MM2)	INSULATION XLPE THICKNESS IN MM (NOM)	INNER SHEATH PVC THICKNESS IN MM (MIN)	OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH O/D IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
							Direct In Ground	In Air
3 C X 1.5	0.70	0.30	1.80	11.60	185	12.10	23	22
3 C X 2.5	0.70	0.30	1.80	12.35	226	7.41	30	30
3 C X 4	0.70	0.30	1.80	13.85	304	4.61	44	39
3 C X 6	0.70	0.30	1.80	14.95	379	3.08	55	50
3 C X 10	0.70	0.30	1.80	17.10	541	1.83	74	67
3 C X 16	0.70	0.30	2.00	20.05	800	1.15	94	85
3 C X 25	0.90	0.40	2.00	20.10	946	0.727	120	125
3 C X 35	0.90	0.40	2.00	21.95	1241	0.524	145	155
3 C X 50	1.00	0.40	2.00	24.85	1700	0.387	170	190
3 C X 70	1.10	0.50	2.00	27.95	2255	0.268	210	235
3 C X 95	1.10	0.50	2.20	31.45	3034	0.193	250	290
3 C X 120	1.20	0.50	2.20	34.55	3801	0.153	285	330
3 C X 150	1.40	0.60	2.20	38.30	4702	0.124	315	375
3 C X 185	1.60	0.60	2.40	42.25	5737	0.0991	355	435
3 C X 240	1.70	0.70	2.60	47.05	7271	0.0754	410	510
3 C X 300	1.80	0.70	2.80	51.70	9011	0.0601	460	590
3 C X 400	2.00	0.70	3.00	58.75	11953	0.0470	520	670

MARUTI 1.1 kV 3.5 CORE COPPER CONDUCTOR XLPE INSULATED, INNER SHEATHED ARMOURED PVC SHEATHED CABLES (IS:7098 PART - 1) CABLE CODE : 2X-Y									
SIZE (MM2)	INSULATION XLPE THICKNESS IN MM (NOM)		INNER SHEATH PVC THICKNESS IN MM (MIN)	OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH O/D IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
	MAIN CORE	HALF CORE						Direct In Ground	In Air
3 C X 25	0.90	0.70	0.30	2.00	22.40	1122	0.727	120	125
3 C X 35	0.90	0.70	0.30	2.00	24.20	1416	0.524	145	155
3 C X 50	1.00	0.90	0.30	2.00	27.90	1974	0.387	170	190
3 C X 70	1.10	0.90	0.40	2.20	31.95	2660	0.268	210	235
3 C X 95	1.10	1.00	0.40	2.20	35.90	3569	0.193	250	290
3 C X 120	1.20	1.10	0.50	2.40	40.40	4556	0.153	285	330
3 C X 150	1.40	1.10	0.50	2.40	43.65	5465	0.124	315	375
3 C X 185	1.60	1.10	0.60	2.60	48.75	6791	0.0991	355	435
3 C X 240	1.70	1.20	0.70	2.80	54.30	8599	0.0754	410	510
3 C X 300	1.80	1.40	0.80	3.00	60.05	10649	0.0601	460	590
3 C X 400	2.00	1.60	0.80	3.40	68.20	14004	0.0470	520	670
3 C X 500	2.20	1.70	1.00	3.60	76.10	17537	0.0366	580	750

MARUTI 1.1 kV 4 CORE COPPER CONDUCTOR XLPE INSULATED, INNER SHEATHED UN ARMOURED PVC SHEATHED CABLES (IS:7098 PART - 1) CABLE CODE : 2X-Y								
SIZE (MM2)	INSULATION PVC THICKNESS IN MM (NOM)	INNER SHEATH PVC THICKNESS IN MM (MIN)	OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
							Direct In Ground	In Air
4 C X 1.5	0.70	0.40	1.80	11.90	203	12.10	23	22
4 C X 2.5	0.70	0.40	1.80	13.35	270	7.41	30	30
4 C X 4	0.70	0.40	1.80	15.05	369	4.61	44	39
4 C X 6	0.70	0.40	1.80	16.25	465	3.08	55	50
4 C X 10	0.70	0.40	1.80	18.65	672	1.83	74	67
4 C X 16	0.70	0.40	2.00	22.15	1013	1.15	94	85
4 C X 25	0.90	0.50	2.00	23.90	1249	0.727	120	125
4 C X 35	0.90	0.50	2.00	26.40	1643	0.524	145	155
4 C X 50	1.00	0.50	2.20	30.50	2285	0.387	170	190
4 C X 70	1.10	0.60	2.20	34.40	3027	0.268	210	235
4 C X 95	1.10	0.60	2.20	38.40	4030	0.193	250	290
4 C X 120	1.20	0.60	2.40	42.80	5095	0.153	285	330
4 C X 150	1.40	0.70	2.60	47.65	6320	0.124	315	375
4 C X 185	1.60	0.70	2.80	52.75	7730	0.0991	355	435
4 C X 240	1.70	0.80	3.00	58.50	9750	0.0754	410	510
4 C X 300	1.80	0.80	3.20	64.60	12109	0.0601	460	590
4 C X 400	2.00	0.80	3.60	73.80	16115	0.0470	520	670

MARUTI 1.1 kV SINGLE CORE COPPER CONDUCTOR XLPE INSULATED, INNER SHEATHED UN ARMOURED PVC SHEATHED CABLES (IEC:60502- 1) CABLE CODE : 2X-Y								
SIZE (MM2)	INSULATION XLPE THICKNESS IN MM (NOM)	INNER SHEATH PVC THICKNESS IN MM (MIN)	OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
							Direct In Ground	In Air
1 C X 1.5	0.70	1.00	1.40	8.25	90	12.10	23	22
1 C X 2.5	0.70	1.00	1.40	8.60	103	7.41	30	30
1 C X 4	0.70	1.00	1.40	9.30	129	4.61	48	45
1 C X 6	0.70	1.00	1.40	9.80	153	3.08	60	57
1 C X 10	0.70	1.00	1.40	10.80	204	1.83	80	77
1 C X 16	0.70	1.00	1.40	11.80	274	1.15	104	106
1 C X 25	0.90	1.00	1.40	13.50	286	0.727	130	145
1 C X 35	0.90	1.00	1.45	14.80	500	0.524	155	175
1 C X 50	1.00	1.00	1.50	16.80	677	0.387	185	215
1 C X 70	1.10	1.00	1.55	18.60	879	0.268	225	270
1 C X 95	1.10	1.00	1.60	20.60	1157	0.193	265	330
1 C X 120	1.20	1.00	1.65	22.60	1442	0.153	300	380
1 C X 150	1.40	1.00	1.75	24.80	1770	0.124	335	430
1 C X 185	1.60	1.00	1.80	27.00	2133	0.0991	380	495
1 C X 240	1.70	1.00	1.90	29.80	2678	0.0754	435	590
1 C X 300	1.80	1.20	2.00	33.00	3316	0.0601	490	670
1 C X 400	2.00	1.20	2.15	37.30	4391	0.0470	550	780
1 C X 500	2.20	1.20	2.30	41.00	5399	0.0366	610	900
1 C X 630	2.40	1.40	2.55	48.75	6833	0.0283	680	1020

MARUTI 1.1 kV 3 CORE COPPER CONDUCTOR XLPE INSULATED, INNER SHEATHED UN ARMOURED PVC SHEATHED CABLES (IEC:60502 - 1) CABLE CODE : 2X-Y								
SIZE (MM2)	INSULATION XLPE THICKNESS IN MM (NOM)	INNER SHEATH PVC THICKNESS IN MM (MIN)	OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH O/D IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
							Direct In Ground	In Air
3 C X 1.5	0.70	1.00	1.80	12.80	221	12.10	23	22
3 C X 2.5	0.70	1.00	1.80	13.55	263	7.41	30	30
3 C X 4	0.70	1.00	1.80	15.05	346	4.61	44	39
3 C X 6	0.70	1.00	1.80	16.15	424	3.08	55	50
3 C X 10	0.70	1.00	1.80	18.30	592	1.83	74	67
3 C X 16	0.70	1.00	1.80	20.85	840	1.15	94	85
3 C X 25	0.90	1.00	1.80	20.85	994	0.727	120	125
3 C X 35	0.90	1.00	1.80	22.55	1287	0.524	145	155
3 C X 50	1.00	1.00	1.80	25.40	1751	0.387	170	190
3 C X 70	1.10	1.00	1.85	28.55	2319	0.268	210	235
3 C X 95	1.10	1.20	2.00	32.35	3137	0.193	250	290
3 C X 120	1.20	1.20	2.10	35.65	3963	0.153	285	330
3 C X 150	1.40	1.20	2.20	39.40	4854	0.124	315	375
3 C X 185	1.60	1.40	2.35	43.65	5945	0.0991	355	435
3 C X 240	1.70	1.40	2.50	47.95	7450	0.0754	410	510
3 C X 300	1.80	1.40	2.65	52.60	9179	0.0601	460	590
3 C X 400	2.00	1.60	2.90	59.80	12065	0.0470	520	670

MARUTI 1.1 kV 3.5 CORE COPPER CONDUCTOR XLPE INSULATED, INNER SHEATHED ARMOURED PVC SHEATHED CABLES (IEC:60502- 1) CABLE CODE : 2X-Y									
SIZE (MM2)	INSULATION XLPE THICKNESS IN MM (NOM)		INNER SHEATH PVC THICKNESS IN MM (MIN)	OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH O/D IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
	MAIN CORE	HALF CORE						Direct In Ground	In Air
3 C X 25	0.90	0.70	1.0	1.80	2.60	1193	0.727	120	125
3 C X 35	0.90	0.70	1.0	1.80	25.35	1485	0.524	145	155
3 C X 50	1.00	0.90	1.0	1.90	29.25	2065	0.387	170	190
3 C X 70	1.10	0.90	1.2	2.00	33.30	2768	0.268	210	235
3 C X 95	1.10	1.00	1.2	2.15	37.55	3716	0.193	250	290
3 C X 120	1.20	1.10	1.2	2.30	41.50	4671	0.153	285	330
3 C X 150	1.40	1.10	1.40	2.40	45.60	5679	0.124	315	375
3 C X 185	1.60	1.10	1.40	2.60	50.50	7033	0.0991	355	435
3 C X 240	1.70	1.20	1.60	2.75	56.25	8865	0.0754	410	510
3 C X 300	1.80	1.40	1.60	2.95	61.70	10895	0.0601	460	590
3 C X 400	2.00	1.60	1.60	3.20	69.70	14309	0.0470	520	670

MARUTI 1.1 kV 4 CORE COPPER CONDUCTOR XLPE INSULATED, INNER SHEATHED UN ARMOURED PVC SHEATHED CABLES (IEC:60502 - 1) CABLE CODE : 2X-Y								
SIZE (MM2)	INSULATION PVC THICKNESS IN MM (NOM)	INNER SHEATH PVC THICKNESS IN MM (MIN)	OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
							Direct In Ground	In Air
4 C X 1.5	0.70	1.00	1.80	13.70	257	12.10	23	22
4 C X 1.5	0.70	1.00	1.80	13.70	310	12.10	23	22
4 C X 1.5	0.70	1.00	1.80	13.70	413	12.10	23	22
4 C X 1.5	0.70	1.00	1.80	13.70	513	12.10	23	22
4 C X 1.5	0.70	1.00	1.80	13.70	727	12.10	23	22
4 C X 1.5	0.70	1.00	1.80	13.70	1044	12.10	23	22
4 C X 1.5	0.70	1.00	1.80	13.70	1295	12.10	23	22
4 C X 1.5	0.70	1.00	1.80	13.70	1706	12.10	23	22
4 C X 1.5	0.70	1.00	1.80	13.70	2346	12.10	23	22
4 C X 1.5	0.70	1.00	1.80	13.70	3152	12.10	23	22
4 C X 1.5	0.70	1.00	1.80	13.70	4206	12.10	23	22
4 C X 1.5	0.70	1.00	1.80	13.70	5342	12.10	23	22
4 C X 1.5	0.70	1.00	1.80	13.70	6588	12.10	23	22
4 C X 1.5	0.70	1.00	1.80	13.70	8048	12.10	23	22
4 C X 1.5	0.70	1.00	1.80	13.70	10114	12.10	23	22
4 C X 1.5	0.70	1.00	1.80	13.70	12418	12.10	23	22
4 C X 1.5	0.70	1.00	1.80	13.70	16320	12.10	23	22

LT Power and Control Cables
XLPE Armoured Cables

CABLE STRUCTURE

Conductor : Material - Copper solid or stranded wires class 1 or 2 according to IEC 60228
Insulation : XLPE-Cross linked polyethylene compound
Inner Sheath : PVC
Armouring : Single layer of GS round wire or Flat Strips
Outer Sheath : PVC Type ST-2 of IS:5831

TECHNICAL DATA

Operating Temp : -20C to max +91C
Nominal Voltage : 1100 V
Test Voltage : 3000 V
Insulation Resistance : Min 10M x km
Min. bending radius : Single Core : 15 x Overall diameter
Multi Core : 12 x Overall diameter
Flame propagation : Flame retardant test as per IEC 60332-1

APPLICATIONS

Power cables for energy supply are installed outdoor, in underground, in water, indoors, in cable ducts, power stations, for industry and distribution boards as well subscriber networks, where mechanical damages are not to be expected.

STANDARD LENGTH CABLE PACKING
Coils 100, 200, 300, 500, 1000 m in wooden reels

COLOR CODING : AS IS 1554 (INDIAN STANDARD)

Single Core	2 Core	3 Core	4 Core	5 Core
Red or Black	Red, Black	Red, Yellow, Blue	Red, Yellow, Blue, Black	Red, Yellow, Blue, Black, Grey

COLOR CODING : AS IEC 60502 PARE-1, B.S. 6346

Single Core	2 Core	3 Core	4 Core	5 Core
Black or Yellow/Green	Blue and Brown or Yellow-Green and Black	Brown, Black, Grey or Yellow/Green Blue, Brown	Blue, Brown, Black Grey or Yellow/Green Brown, Black, Grey	Blue, Brown, Black, Grey, Black or Yellow/Green, Blue Brown, Black, Grey

TECHNICAL DATA TABLE

MARUTI 1.1 kV 3 CORE COPPER CONDUCTOR PVC INSULATED, INNER SHEATHED ARMOURED PVC SHEATHED CABLES (IS:7098 PART - 1)
CABLE CODE : 2XWY/2XFY

SIZE (MM2)	INSULATION PVC THICKNESS IN MM (NOM)	INNER SHEATH PVC THICKNESS IN MM (MIN)	ARMOUR SIZE IN MM (G.I.)		OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH O/D IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
			W	H					Direct In Ground	In Air
3 C X 1.5	0.70	0.30	1.40	1.40	1.24	13.20	375	12.10	23	22
3 C X 2.5	0.70	0.30	1.40	1.40	1.24	13.95	433	7.41	30	30
3 C X 4	0.70	0.30	1.40	1.40	1.24	15.45	546	4.61	44	39
3 C X 6	0.70	0.30	1.40	1.40	1.24	16.55	647	3.08	55	50
3 C X 10	0.70	0.30	4.0	0.80	1.40	17.80	648	1.83	74	67
3 C X 16	0.70	0.30	4.0	0.80	1.40	20.35	1058	1.15	94	85
3 C X 25	0.90	0.40	4.0	0.80	1.40	20.30	1196	0.727	120	125
3 C X 35	0.90	0.40	4.0	0.80	1.40	22.25	1521	0.524	145	155
3 C X 50	1.00	0.40	4.0	0.80	1.40	25.15	2026	0.387	170	190
3 C X 70	1.10	0.50	4.0	0.80	1.56	28.65	2658	0.268	210	235
3 C X 95	1.10	0.50	4.0	0.80	1.56	31.75	3459	0.193	250	290
3 C X 120	1.20	0.50	4.0	0.80	1.56	34.85	4276	0.153	285	330
3 C X 150	1.40	0.60	4.0	0.80	1.72	38.90	5266	0.124	315	375
3 C X 185	1.60	0.60	4.0	0.80	1.72	42.45	6320	0.0991	355	435
3 C X 240	1.70	0.70	4.0	0.80	1.88	47.15	7913	0.0754	410	510
3 C X 300	1.80	0.70	4.0	0.80	2.04	51.80	9725	0.0601	460	590
3 C X 400	2.00	0.70	4.0	0.80	2.20	58.75	12760	0.0470	520	670

MARUTI 1.1 kV 4 CORE COPPER CONDUCTOR XLPE INSULATED, INNER SHEATHED UN ARMOURED PVC SHEATHED CABLES (IS:7098 PART - 1) CABLE CODE : 2XWY/2XFY										
SIZE (MM2)	INSULATION PVC THICKNESS IN MM (NOM)	INNER SHEATH PVC THICKNESS IN MM (MIN)	ARMOUR SIZE IN MM (G.I.)		OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH O/D IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
			W	H					Direct In Ground	In Air
4 C X 1.5	0.70	0.40	1.40	1.40	1.24	14.10	399	12.10	23	22
4 C X 2.5	0.70	0.40	1.40	1.40	1.25	14.95	500	7.41	30	30
4 C X 4	0.70	0.40	1.40	1.40	1.24	16.65	638	4.61	44	39
4 C X 6	0.70	0.40	1.40	1.40	1.24	17.85	762	3.08	55	50
4 C X 10	0.70	0.40	4.0	0.80	1.40	19.35	930	1.83	74	67
4 C X 16	0.70	0.40	4.0	0.80	1.40	22.45	1296	1.15	94	85
4 C X 25	0.90	0.50	4.0	0.80	1.40	24.20	1559	0.727	120	125
4 C X 35	0.90	0.50	4.0	0.80	1.40	26.70	1993	0.524	145	155
4 C X 50	1.00	0.50	4.0	0.80	1.56	30.80	2695	0.387	170	190
4 C X 70	1.10	0.60	4.0	0.80	1.56	34.70	3498	0.268	210	235
4 C X 95	1.10	0.60	4.0	0.80	1.72	39.00	4596	0.193	250	290
4 C X 120	1.20	0.60	4.0	0.80	1.72	43.00	5686	0.153	285	330
4 C X 150	1.40	0.70	4.0	0.80	1.88	47.75	6972	0.124	315	375
4 C X 185	1.60	0.70	4.0	0.80	2.04	52.85	8460	0.0991	355	435
4 C X 240	1.70	0.80	4.0	0.80	2.20	58.50	10553	0.0754	410	510
4 C X 300	1.80	0.80	4.0	0.80	2.36	64.50	12987	0.0601	460	590
4 C X 400	2.00	0.80	4.0	0.80	2.52	73.50	17096	0.0470	520	670

MARUTI 1.1 kV 3 CORE COPPER CONDUCTOR XLPE INSULATED, INNER SHEATHED UN ARMOURED PVC SHEATHED CABLES (IEC:60502 - 1) CABLE CODE : 2XWY									
SIZE (MM2)	INSULATION XLPE THICKNESS IN MM (NOM)	INNER SHEATH PVC THICKNESS IN MM (MIN)	ARMOUR SIZE IN MM (G.I.)	OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH O/D IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
								Direct In Ground	In Air
3 C X 1.5	0.70	1.00	0.80	1.80	14.40	380	12.10	23	22
3 C X 2.5	0.70	1.00	0.80	1.80	15.15	434	7.41	30	30
3 C X 4	0.70	1.00	1.25	1.80	17.60	641	4.61	44	39
3 C X 6	0.70	1.00	1.25	1.80	18.65	746	3.08	55	50
3 C X 10	0.70	1.00	1.25	1.80	20.80	965	1.83	74	67
3 C X 16	0.70	1.00	1.60	1.80	24.05	1391	1.15	94	85
3 C X 25	0.90	1.00	1.60	1.80	23.85	1527	0.727	120	125
3 C X 35	0.90	1.00	1.60	1.80	25.75	1877	0.524	145	155
3 C X 50	1.00	1.00	1.60	1.90	28.80	2425	0.387	170	190
3 C X 70	1.10	1.00	1.60	2.00	31.95	3076	0.268	210	235
3 C X 95	1.10	1.20	2.00	2.10	36.55	4210	0.193	250	290
3 C X 120	1.20	1.20	2.00	2.20	39.85	5139	0.153	285	330
3 C X 150	1.40	1.20	2.00	2.40	4370	6194	0.124	315	375
3 C X 185	1.60	1.40	2.50	2.55	49.00	7799	0.0991	355	435
3 C X 240	1.70	1.40	2.50	2.70	5355	9599	0.0754	410	510
3 C X 300	1.80	1.40	2.50	2.80	57.85	11436	0.0601	460	590
3 C X 400	2.00	1.60	2.50	3.05	65.10	14647	0.0470	520	670

MARUTI 1.1 kV 3.5 CORE COPPER CONDUCTOR XLPE INSULATED, INNER SHEATHED ARMOURED PVC SHEATHED CABLES (IEC:60502- 1) CABLE CODE : 2XWY										
SIZE (MM2)	INSULATION PVC THICKNESS IN MM (NOM)		INNER SHEATH PVC THICKNESS IN MM (MIN)	ARMOUR SIZE IN MM(G.I.)	OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH O/D IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
	MAIN CORE	HALF CORE							Direct In Ground	In Air
3 C X 25	0.90	0.70	1.0	1.60	1.80	26.80	1956	0.727	120	125
3 C X 35	0.90	0.70	1.0	2.00	1.90	29.55	2535	0.524	145	155
3 C X 50	1.00	0.90	1.0	2.00	2.00	33.45	3289	0.387	170	190
3 C X 70	1.10	0.90	1.2	2.00	2.15	37.60	4179	0.268	210	235
3 C X 95	1.10	1.00	1.2	2.00	2.30	41.85	5313	0.193	250	290
3 C X 120	1.20	1.10	1.2	2.50	2.45	47.10	6925	0.153	285	330
3 C X 150	1.40	1.10	1.40	2.50	2.60	51.00	8129	0.124	315	375
3 C X 185	1.60	1.10	1.40	2.50	2.75	55.80	9704	0.0991	355	435
3 C X 240	1.70	1.20	1.60	2.50	2.95	61.55	11881	0.0754	410	510
3 C X 300	1.80	1.40	1.60	2.50	3.10	67.00	14212	0.0601	460	590
3 C X 400	2.00	1.60	1.60	2.50	3.40	75.00	17974	0.0470	520	670

MARUTI 1.1 kV 4 CORE COPPER CONDUCTOR XLPE INSULATED, INNER SHEATHED UN ARMOURED PVC SHEATHED CABLES (IEC:60502- 1) CABLE CODE : 2XWY									
SIZE (MM2)	INSULATION XLPE THICKNESS IN MM (NOM)	INNER SHEATH PVC THICKNESS IN MM (MIN)	ARMOUR SIZE IN MM (G.I.)	OUTER SHEATH PVC THICKNESS IN MM (MIN)	APPROX OUTER SHEATH O/D IN MM	APPROX WEIGHT OF CABLE (KGS./KM)	MAX DC CONDUCTOR RESISTANCE at 20c (ohm/km)	Current Ratings (Amp)	
								Direct In Ground	In Air
4 C X 1.5	0.70	1.00	1.25	1.80	16.20	519	12.10	23	22
4 C X 2.5	0.70	1.00	1.25	1.80	17.05	592	7.41	30	30
4 C X 4	0.70	1.00	1.25	1.80	18.75	737	4.61	44	39
4 C X 6	0.70	1.00	1.60	1.80	20.65	959	3.08	55	50
4 C X 10	0.70	1.00	1.60	1.80	23.05	1247	1.83	74	67
4 C X 16	0.70	1.00	1.60	1.80	25.95	1653	1.15	94	85
4 C X 25	0.90	1.00	1.60	1.85	27.55	1938	0.727	120	125
4 C X 35	0.90	1.00	1.60	1.90	30.30	2426	0.524	145	155
4 C X 50	1.00	1.00	2.00	2.10	35.05	3381	0.387	170	190
4 C X 70	1.10	1.20	2.00	2.20	39.50	4345	0.268	210	235
4 C X 95	1.10	1.20	2.00	2.35	43.80	5553	0.193	250	290
4 C X 120	1.20	1.40	2.50	2.65	49.60	7225	0.153	285	330
4 C X 150	1.40	1.40	2.50	2.80	54.35	8687	0.124	315	375
4 C X 185	1.60	1.60	2.50	2.90	59.55	10383	0.0991	355	435
4 C X 240	1.70	1.60	2.50	3.05	65.30	12709	0.0754	410	510
4 C X 300	1.80	1.60	2.50	3.35	71.05	15275	0.0601	460	590
4 C X 400	2.00	1.80	3.15	3.60	81.45	20406	0.0470	520	670

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