A.M. ENTERPRISES

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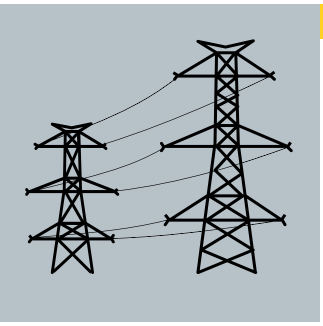
ABOUT US

A.M. Enterprises was started in the year 1994 and since then has been growing into an organisation offering all kinds of wire and cable solutions.

At A.M. Enterprises, we specialize in manufacturing high-quality copper and aluminum cables designed to meet the diverse needs of domestic, industrial, and agricultural applications. Based in the vibrant city of Delhi, we combine cutting-edge technology to deliver products that meet global standards.

Our wide range of wires and cables under our brand, “NAMAN”, which translates to a deeply rooted gesture of respect and humility in our culture, is engineered to ensure reliability and durability, making us a trusted partner across multiple industries. Whether it’s powering homes, enabling industrial operations, or supporting agricultural systems, we are committed to providing solutions that excel in every application.

Our products are tested and approved by the Bureau of Indian Standards and certified as ISI marked as per the relevant standards. Our cables are inspected and tested at our own in-house quality testing lab which is manned by qualified and competent electrical engineers.



PRODUCT RANGE

HOUSE WIRING

(VOLTAGE UPTO 1100 VOLT AS PER IS 694: 2010)
0.50 SQ.MM TO 25.00 SQ.MM

FLAME RETARDANT (FR)

- Special PVC formulation with flame-retardant additives
- Consistent electrical properties for long-term operation
- Operational from -15°C to +70°C
- Balances essential flame-retardant properties with economic value

FLAME RETARDANT LOW SMOKE HALOGEN (FR-LSH)

- Combines fire resistance, low smoke density, and zero halogen properties in a single cable solution
- Produces significantly reduced smoke during fire conditions, improving visibility for safe evacuation

ZERO HALOGEN FLAME RETARDANT (ZHFR)

- Completely free of halogens (chlorine, fluorine, bromine, iodine), eliminating corrosive and toxic gas emissions during fires
- Engineered to resist ignition and self-extinguish, preventing fire spread

HEAT RESISTANT FLAME RETARDANT (HR-FR)

- High-performance materials specifically for thermal stability
- Maintains electrical and mechanical properties under prolonged heat exposure
- Withstands exposure to oils, fuels, and many industrial chemicals

- CORE - Single Core
- LENGTH - 90 mtr, 100 mtr & 180 mtr (Also available in custom sizes)
- COLOUR - Red, Green, Blue, Black, White, Yellow, Grey (Also available in custom colours)

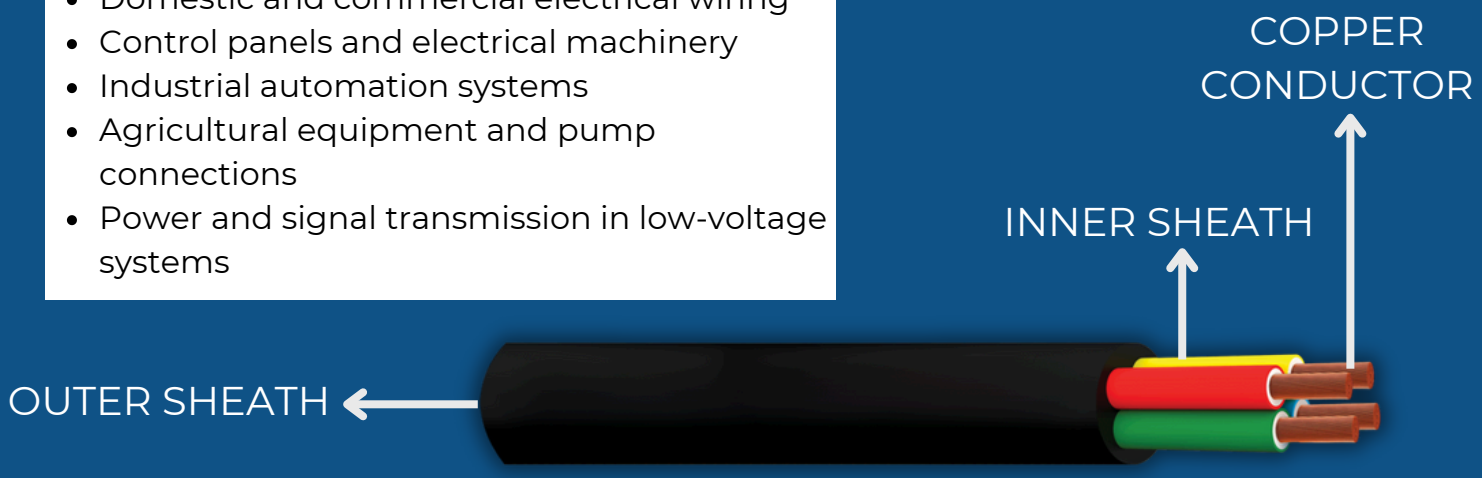
MULTICORE CABLES

(VOLTAGE UPTO 1100 VOLT AS PER IS 694: 2010)

Specially designed cables that contain multiple insulated conductors enclosed within a single outer sheath. These cables are engineered for organized, reliable, and space-efficient wiring solutions, making them ideal for a wide range of applications.

Applications:

- Domestic and commercial electrical wiring
- Control panels and electrical machinery
- Industrial automation systems
- Agricultural equipment and pump connections
- Power and signal transmission in low-voltage systems



TECHNICAL SPEC.: PVC INSULATED 2 - CORE ROUND MULTICORE

Nominal Area of Conductor	Conductor Construction	Thickness of Insulation (Nominal)	Thickness of Outer Sheath (Nominal)	Approx Overall Diameter	Conductor Resistance (Max) per km @20° C	Max Current Carrying Capacity 2 Cables Single, Phase
Sq.mm	(No./Dia.mm)	mm	mm	mm	ohms	amps
2 × 0.5	16/0.2	0.6	0.9	6.4	39	4
2 × 0.75	24/0.2	0.6	0.9	6.7	26	7
2x1	32/0.2	0.6	0.9	7	19.5	12
2 × 1.5	30/0.25	0.6	0.9	7.6	13.3	16
2 × 2.5	50/0.25	0.7	1	9	7.98	20
2 x 4	56/0.3	0.8	1	10.5	4.95	27
2 x 6	84/0.3	0.8	1.1	11.8	3.3	34
2 × 10	80/0,4	1	1.3	15.1	1.91	44
2 × 16	126/0.4	1	1.4	17.7	1.21	61
2 × 25	196/0.4	1.2	1.4	21.2	0.78	69
2 × 35	276/0.4	1.2	1.6	23.9	0.554	88

TECHNICAL SPEC.: PVC INSULATED 3 - CORE ROUND MULTICORE

Nominal Area of Conductor	Conductor Construction	Thickness of Insulation (Nominal)	Thickness of Outer Sheath (Nominal)	Approx Overall Diameter	Conductor Resistance (Max) per km @20° C	Max Current Carrying Capacity 2 Cables Single, Phase
Sq. mm	(No./Dia.mm)	mm	mm	mm	ohms	amps
3 × 0.5	16/0.2	0.6	0.9	6.7	39	3
3 × 0.75	24/0.2	0.6	0.9	7.1	26	6
3 x 1	32/0.2	0.6	0.9	7.5	19.5	10
3 x 1.5	30/0.25	0.6	0.9	8	13.5	14
3 × 2.5	50/0.25	0.7	1	9.6	7.98	18
3 x 4	56/0.3	0.8	1	11.1	4.95	24
3x6	84/0.3	0.8	1.2	12.7	3.3	30
3 × 10	80/0.4	1	1.4	16.2	1.91	39
3 x 16	126/0.4	1	1.4	18.9	1.21	55
3 × 25	196/0.4	1.2	1.5	22.9	0.78	60
3 × 35	276/0.4	1.2	1.6	25.6	0.554	77

TECHNICAL SPEC.: PVC INSULATED 4 - CORE ROUND MULTICORE

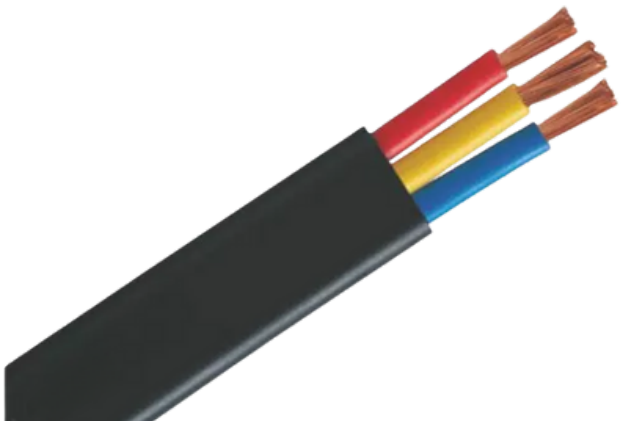
Sq.mm	(No./Dia.mm)	mm	mm	mm	ohms	amps
4 × 0.5	16/0.2	0.6	0.9	7.3	39	3
4 × 0.75	24/0.2	0.6	0.9	7.7	26	6
4 x 1	32/0.2	0.6	0.9	8.1	19.5	10
4 × 1.5	30/0.25	0.6	1	9	13.3	14
4 × 2.5	50/0.25	0.7	1	10.5	7.98	18
4X4	56/0.3	0.8	1	12.2	4.95	24
4X6	84/0.3	0.8	1.2	13.9	3.3	30
4 X 10	80/0.4	1	1.4	17.9	1.91	39
4 X 16	126/0.4	1	1.4	20.8	1.21	55
4 X 25	196/0.4	1.2	1.6	25.4	0.78	60

VARIOUS SIZES RANGING FROM 0.5 SQ. MM TO 35 SQ. MM ARE AVAILABLE IN 2, 3, AND 4 CORES. LARGER CORES AND SIZES CAN BE OBTAINED UPON REQUEST.

SUBMERSIBLE CABLES

(VOLTAGE UPTO 1100 VOLT AS PER IS 694: 2010)

These specialized cables feature a unique flat profile design engineered specifically for submerged operations in wells, tanks, and marine environments. These cables have excellent resistance to moisture, abrasion, grease and oil, with a temperature range of -15 to +70 C.



APPLICATION

- Submersible pump power supply
- Deep well installations
- Water and wastewater treatment systems
- Underwater monitoring and control systems
- Irrigation systems and agricultural applications
- Flood control systems

Nominal Area of Copper Conductor	Conductor Construction	Thickness of Insulation (Nominal)	Thickness of Outer Sheath (Nominal)	Approx Overall Diamension (Width x Thicknes)	Conductor Resistance (Max) Per km @20° C	Max Current Carrying Capacity
Sq.mm	(No./Dia. mm)	mm	mm	mm	ohms	amps
1.5	30/0.25	0.6	0.9	10.3 X 4.7	13.3	14
2.5	50/0.25	0.7	1	12.4 X 5.5	7.98	15
4	56/0.3	0.8	1	14.5 X 6.3	4.95	26
6	84/0.3	0.8	1.1	16.4 X 7.0	3.3	31
10	140/0.3	1	1.4	21.3 X 9.0	1.91	42
16	226/0.3	1	1.4	24.9 X 10.3	1.21	57
25	354/0.3	1.2	2	31.3 X 13.2	0.78	72
35	495/0.3	1.2	2	34.9 X 14.4	0.554	90

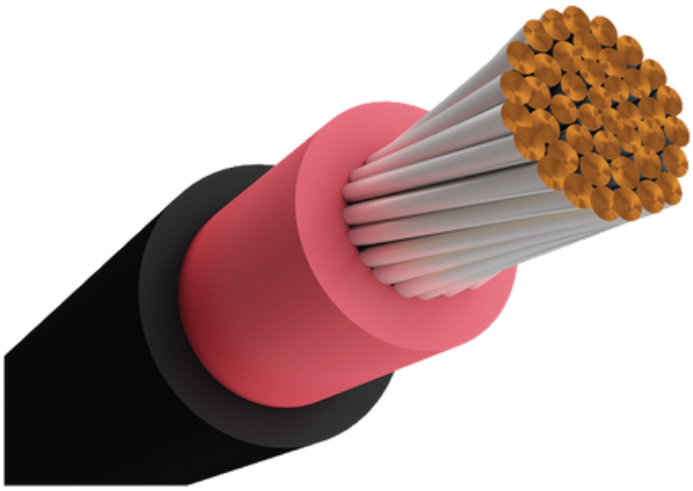
COLOUR - BLACK

LENGTH - 100/500/1000 MTR

SOLAR CABLES

(COMPLIES TO IS 17293 : 2020)

Solar cables are specially designed conductors that play a critical role in any solar power system. They connect solar panels to inverters and other electrical components, ensuring efficient energy transfer while withstanding harsh outdoor conditions.



CONDUCTOR: FLEXIBLE TINNED COPPER

INSULATION: CROSS-LINKABLE POLYOLEFIN/FLAME RETARDANT COMPOUND

SHEATH: CROSS-LINKABLE POLYOLEFIN/FLAME RETARDANT COMPOUND

Cross Sectional Area in Sq.mm	Approx. Conductor diameter in mm	Insulation Radial Thickness in mm	Outer Sheath Radial Thickness in mm	Overall Diameter in mm	Approx. Cable Weight in Kg/Km	Maximum Conductor Resistance at 20 deg.C	Current Rating		
							Single Cable in Air in Amps	Single Cable on Surface in Amps	Two loaded Cables touching in Air in Amps
1.5	1.5	0.7	0.8	4.7	31	13.7	30	29	24
2.5	2	0.7	0.8	5.2	49	8.21	41	39	33
4	2.6	0.7	0.8	5.9	66	5.09	55	52	44
6	3.2	0.7	0.8	6.5	88	3.39	70	67	57
10	4.1	0.7	0.8	7.4	128	1.95	98	93	79
16	5.2	0.7	0.9	8.7	190	1.24	132	125	107
25	6.4	0.9	1	10.5	296	0.795	176	167	142
35	7.6	0.9	1.1	11.9	399	0.565	218	207	176
50	9.2	1	1.2	13.8	554	0.393	276	262	221

LT PVC/XLPE POWER AND CONTROL CABLES

(VOLTAGE UPTO 1100 VOLT AS PER IS: 7098 PART-1/ IS: 1554 PART-1)

Low Tension (LT) power and control cables are the backbone of electrical distribution systems, designed to transmit power at voltages up to 1.1kV. Our LT cables deliver exceptional electrical performance, fire resistance, and longevity across industrial, commercial, and infrastructure applications.

Product Specifications:

- Single core and multicore upto 3.5/4 core
- Aluminium/ Copper (Solid Standard Circular/Compacted/Sector Shaped) Conductor
- Taped/extruded inner sheath
- Galvanised Steel Wire/Strip/Double Helical Steel tape

Armoured LT cables feature a protective metal layer that provides:

- Superior mechanical protection against physical damage
- Enhanced resistance to environmental stresses
- Protection from rodents and other external threats
- Added durability for direct burial applications
- Higher tensile strength for longer installation spans