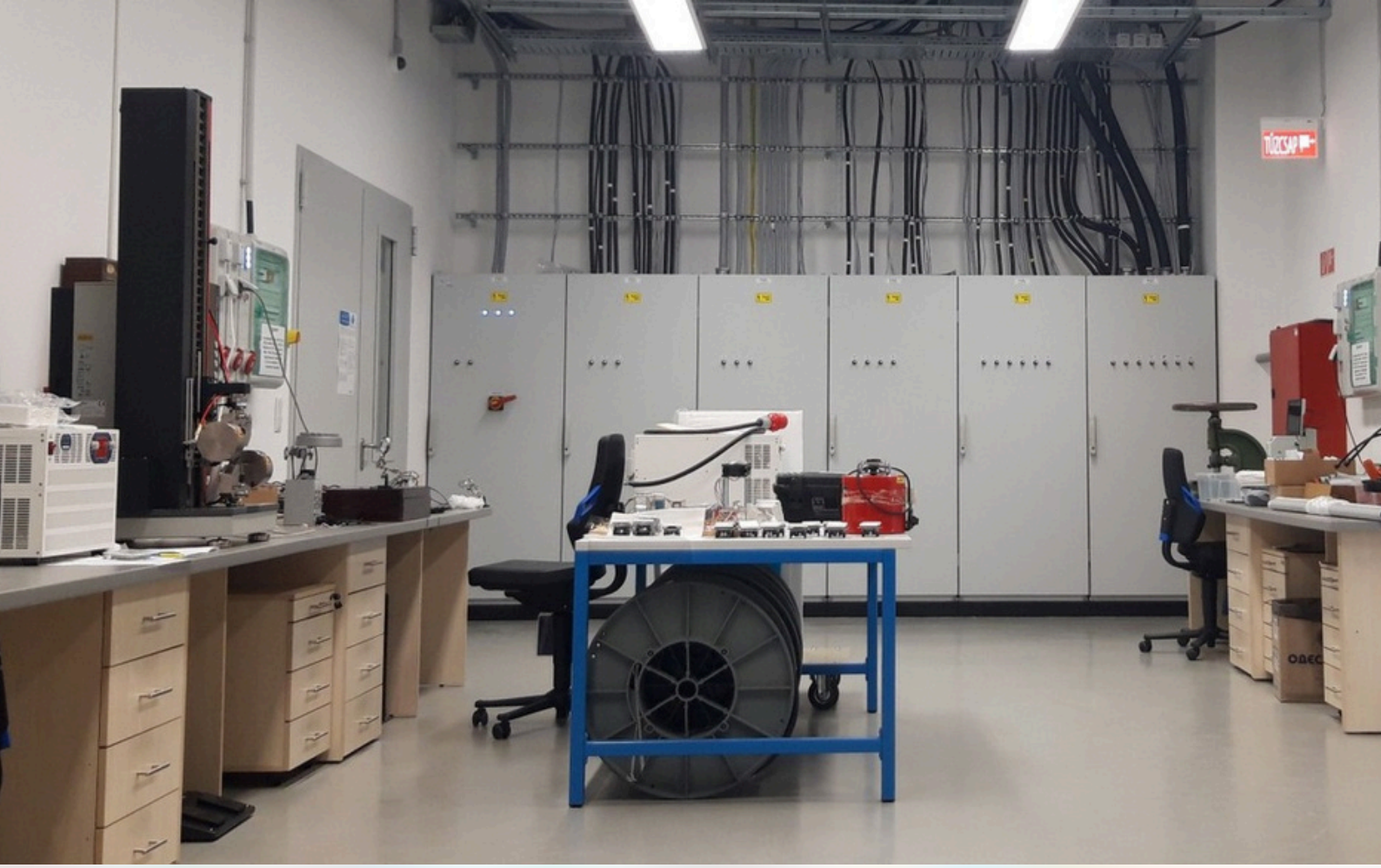
NATRAJ
INDUSTRIES

WIRES YOU CAN TRUST,
QUALITY YOU CAN COUNT ON

STRONG WIRES. STRONGER BONDS.

ADVANCED FLAME RETARDANT

HALOGEN AND SMOKE FREE



NABL

Natraj Industries has set a benchmark in product quality by achieving NABL (National Accreditation Board for Testing and Calibration Laboratories) accreditation, showcasing its capability to conduct international-level quality evaluations for wires and cables. Additionally, the company has a DSIR-recognized technology center within its cable division, reinforcing its commitment to innovation and excellence. NABL, an autonomous body under the Department of Science and Industrial Research (Government of India), oversees this accreditation.

As the first private facility of its kind in India, the NABL-accredited laboratory is fully equipped to meet international standards for testing a wide range of cables, up to 220 KV grade, PVC cables, flexible cables and fire survival cables. The lab adheres to Indian Standards. It also conducts eight types of fire tests to evaluate and demonstrate the fire-retardant behavior of cables.

NATRAJ INDUSTRIES

NABL

LOW VOLTAGE UNARMOURED CABLES

Natraj Industries' Low Voltage Unarmoured Cables are engineered to deliver efficient, safe, and reliable power transmission for a wide range of electrical applications. Manufactured using high-purity copper or aluminium conductors and insulated with premium-grade PVC/XLPE, these cables ensure excellent electrical performance and long service life.

Designed for indoor and protected installations, unarmoured construction offers greater flexibility, easier handling, and faster installation. With superior insulation and stringent quality control, Natraj LV Unarmoured Cables provide consistent performance, reduced power loss, and enhanced operational safety.

Premium Advantages

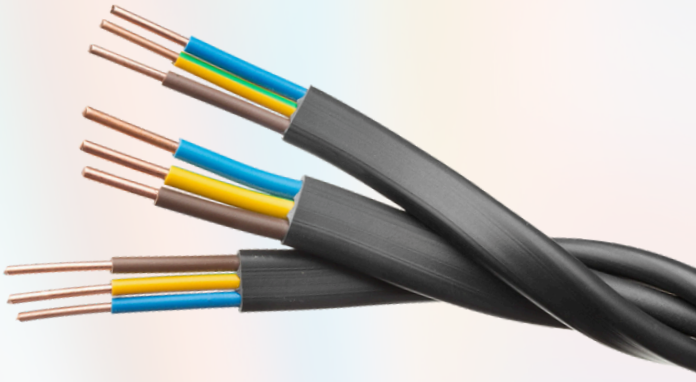
⚡ High-Efficiency Conductors

🧵 Flexible & Lightweight Construction

🛡️ Premium PVC / XLPE Insulation

🔥 Safe & Reliable Operation

🏭 Versatile Applications



ABOUT THE COMPANY

NATRAJ INDUSTRIES

Natraj Industries, a distinguished name in the cable manufacturing industry, is one of the oldest and most renowned manufacturers of electric wires, coaxial cables, submersible cables, XLPE insulated cables, and flexible cables in India.

Established in 1978 by its visionary founder, Shri Sudhir Kumar, the company has grown from humble beginnings to become a leader in its field. Shri Kumar's foresight, unwavering determination, and dedication, combined with the expertise of his professional team, state-of-the-art infrastructure, robust marketing network, and a commitment to customer satisfaction, have been the driving forces behind Natraj Industries' success. His focus on delivering consistent quality and economical solutions has elevated the business to remarkable heights.

As Natraj Industries approaches its Golden Jubilee, completing 47 illustrious years in the industry, it takes immense pride in having illuminated countless homes and establishments across the nation.

The company's flagship brands, Magdolin and Polostar, have become synonymous with quality and reliability, earning the trust and confidence of customers nationwide. Through its commitment to excellence, Natraj Industries continues to contribute significantly to India's growth and development.

RoHS compliant ECO FRIENDLY

CERTIFIED ISO 9001:2015 COMPANY

केन्द्रीय विद्युत अनुसंधान संस्थान CENTRAL POWER RESEARCH INSTITUTE बंगलूर BANGALORE स्थापित 1960 ESTD 1960

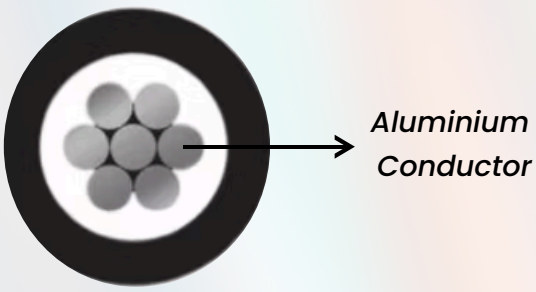
IS: 694

CM/L - 8588407

CE

SINGLE CORE ALUMINIUM CONDUCTOR, XLPE INSULATED, UNARMOURED CABLE 1100 VOLT as per IS 7098- 1/1988

Nominal Size of Conductor	Form of Conductor Circular	Nominal Thickness of XLPE Insulation for U/A	Minimum Thickness of PVC Inner Sheath	Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable
(Sq.mm)		(mm)	(mm)	(mm)	(mm)	(Kgs. /Km)
4	Solid	0.7	-NA-	1.8	7.5	60
4	Stranded	0.7	-NA-	1.8	8.0	65
6	Solid	0.7	-NA-	1.8	8.0	70
6	Stranded	0.7	-NA-	1.8	8.5	75
10	Solid	0.7	-NA-	1.8	9.0	80
10	Stranded	0.7	-NA-	1.8	9.5	90
16	Stranded	0.7	-NA-	1.8	10.0	115
25	Stranded	0.9	-NA-	1.8	12.0	155
35	Stranded	0.9	-NA-	1.8	13.0	180
50	Stranded	1.0	-NA-	1.8	14.0	240
70	Stranded	1.1	-NA-	1.8	16.0	310
95	Stranded	1.1	-NA-	1.8	17.5	385
120	Stranded	1.2	-NA-	1.8	19.0	470
150	Stranded	1.4	-NA-	2.0	21.5	600
185	Stranded	1.6	-NA-	2.0	23.5	710
240	Stranded	1.7	-NA-	2.0	26.0	900
300	Stranded	1.8	-NA-	2.0	28.5	1075
400	Stranded	2.0	-NA-	2.2	33.0	1385



Aluminium Conductor

NOTE:

The above data is approximate and subject to manufacturing tolerance.

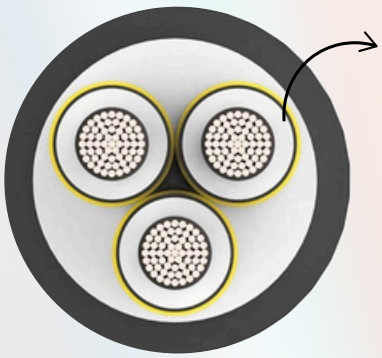
*Delivery length tolerance is ±5%. Length more than normal as per the customer request.

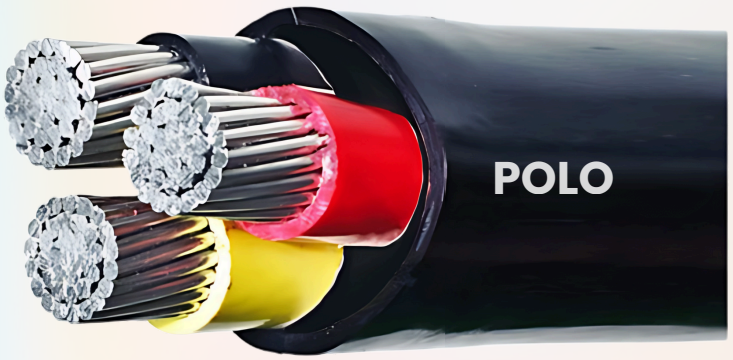
TWO CORE ALUMINIUM CONDUCTOR, XLPE INSULATED, UNARMOURED CABLE 1100 VOLT as per IS 7098- 1/1988

Nominal Size of Conductor	Form of Conductor Circular Shaped	Nominal Thickness of XLPE Insulation	Minimum Thickness of PVC Inner Sheath	Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable
(Sq.mm)		(mm)	(mm)	(mm)	(mm)	(Kgs./Km)
4	Solid	0.7	0.3	1.8	12.5	140
4	Stranded	0.7	0.3	1.8	13.0	150
6	Solid	0.7	0.3	1.8	13.5	170
6	Stranded	0.7	0.3	1.8	14.0	180
10	Solid	0.7	0.3	1.8	15.0	205
10	Stranded	0.7	0.3	1.8	16.0	225
16	Stranded	0.7	0.3	1.8	14.0	225
25	Stranded	0.9	0.3	2.0	17.0	330
35	Stranded	0.9	0.3	2.0	19.0	410
50	Stranded	1.0	0.3	2.0	21.0	510
70	Stranded	1.1	0.3	2.0	23.0	675
95	Stranded	1.1	0.4	2.2	26.5	900
120	Stranded	1.2	0.4	2.2	28.5	1050
150	Stranded	1.4	0.4	2.2	32.0	1215

THREE CORE ALUMINIUM CONDUCTOR, XLPE INSULATED, UNARMOURED CABLE 1100 VOLT as per 7098- 1/1988

Nominal Size of Conductor	Form of Conductor Circular Shaped	Nominal Thickness of XLPE Insulation	Minimum Thickness of PVC Inner Sheath	Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable
(Sq.mm)		(mm)	(mm)	(mm)	(mm)	(Kgs./Km)
4	Solid	0.7	0.3	1.8	14.0	140
4	Stranded	0.7	0.3	1.8	15.5	160
6	Solid	0.7	0.3	1.8	15.5	170
6	Stranded	0.7	0.3	1.8	16.0	190
10	Solid	0.7	0.3	1.8	17.0	220
10	Stranded	0.7	0.3	1.8	18.0	230
16	Stranded	0.7	0.3	1.8	18.0	310
25	Stranded	0.9	0.3	2.0	20.0	460
35	Stranded	0.9	0.3	2.0	21.5	575
50	Stranded	1.0	0.3	2.0	24.5	700
70	Stranded	1.1	0.4	2.2	29.0	990
95	Stranded	1.1	0.4	2.2	32.5	1250





FOUR CORE ALUMINIUM CONDUCTOR, XLPE INSULATED, UNARMOURED CABLE 1100 VOLT as per IS 7098- 1/1988

Nominal Size of Conductor	Form of Conductor Circular Shaped	Nominal Thickness of XLPE Insulation	Minimum Thickness of PVC Inner Sheath	Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable
(Sq.mm)		(mm)	(mm)	(mm)	(mm)	(Kgs./Km)
4	Solid	0.7	0.3	1.8	15.0	160
4	Stranded	0.7	0.3	1.8	16.0	180
6	Solid	0.7	0.3	1.8	16.5	200
6	Stranded	0.7	0.3	1.8	17.5	215
10	Solid	0.7	0.3	1.8	18.0	250
10	Stranded	0.7	0.3	1.8	18.5	260
16	Stranded	0.7	0.3	1.8	17.5	350
25	Stranded	0.9	0.3	2.0	21.0	550
35	Stranded	0.9	0.3	2.0	23.5	680
50	Stranded	1.0	0.3	2.0	26.0	875
70	Stranded	1.1	0.4	2.2	30.5	1200

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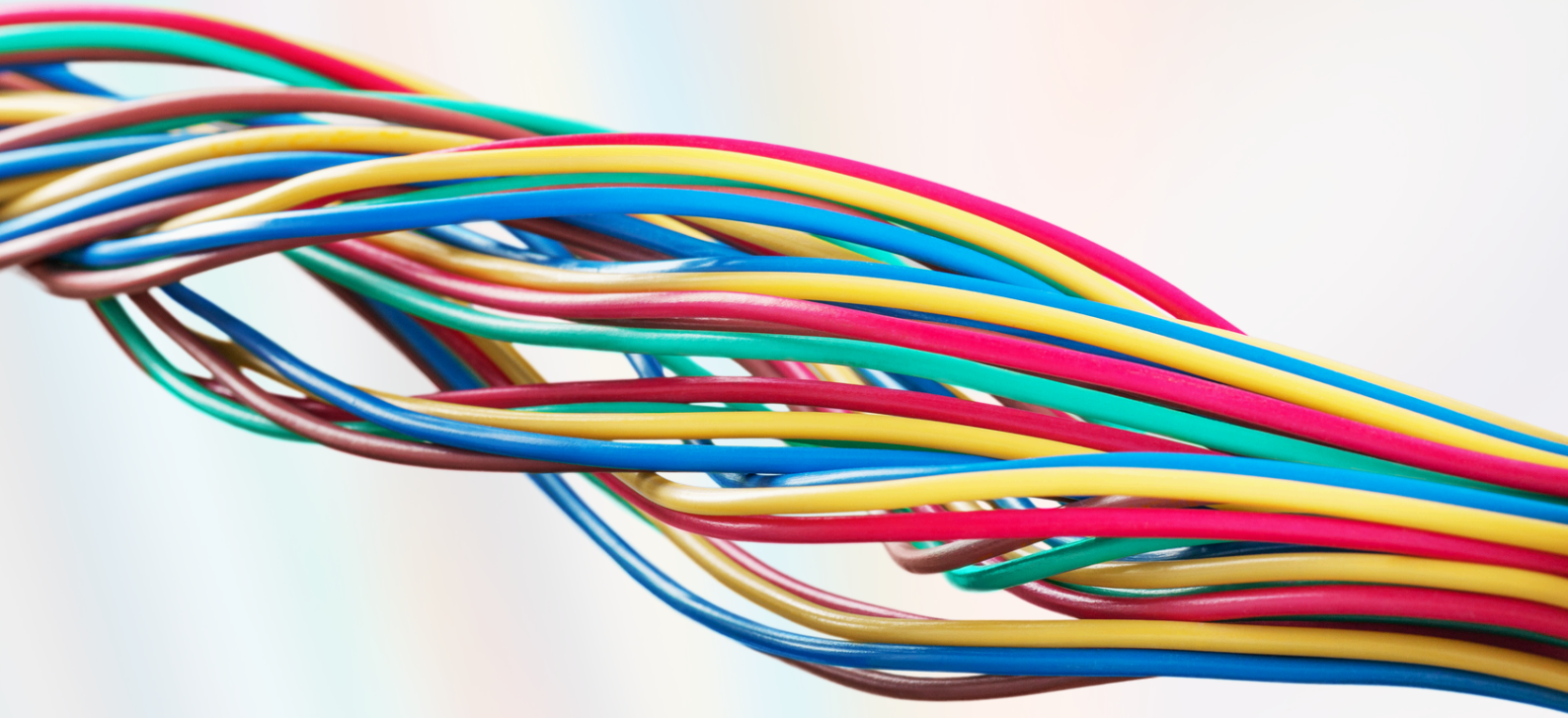

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https://natraj-ind.com/

IS : 694 CM/L-8588407 | Energy Efficiency | Quality & Safety | Eco Friendly | Moisture Proof | More Flexibility | Anti Termite Anti Rodent | RoHS Compliant | HIR High Insulation Resistance | 99.9% Bare Copper Conductor


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