



ELEVATING CONNECTIVITY & REDEFINING EXCELLENCE



PRODUCT CATALOGUE

EKTA UDYOG



DURABILITY



ELECTROLYTIC
COPPER



ISI



ISI





“

Your Reliable
Source For Quality
Wires & Cables Since 1990





ABOUT US

SEEWEL Cables, based in North India, stands out for its extensive range of copper and aluminum wires and cables that consistently meet the highest international standards for **quality and reliability**. With over three decades of experience, our success is rooted in unwavering commitment to ethical business practices, bolstered by a dedicated team of professionals and continuous research and development. Seewel has **ISO:17025:2017 (NABL)** Accredited Laboratory which ensures customers Trust in the quality of our product. Holding **ISO 9001:2015** certification, we ensure compliance with global standards while delivering customized wire solutions promptly. Our vision is to become the preferred brand in the Cable and Wire Industry, **earning trust** through unwavering commitment to **safety, reliability, and quality**. Our mission centers on continuous improvement, acquiring stringent certifications to produce **world-class products** that set industry benchmarks.



THE ROAD WE'VE TRAVELED

Vision and Mission

We aim to be the leading choice in the Cable and Wire Industry, distinguished for safety, reliability, quality, and high performance. Our mission revolves around continuous enhancement through rigorous certifications.



Capability and Customization

Seewel supply cables meeting global standards and provide custom, high-quality wire solutions with punctual delivery.



Certification

SEEWEL Cables boasts ISO 9001:2015 certification, guaranteeing international quality standards compliance.

Seewel has NABL (ISO:17025:2017) Accredited Laboratory that increase the Trust of SEEWEL product among the customers.



Team and Involvement

Success hinges on a skilled team, while promoters stay actively engaged throughout production and delivery.



Experience and Success

SEEWEL Cables, with 30 years of experience, stands out due to our unwavering commitment to ethical practices. This dedication ensures trust and reliability in everything we do.



Inception

Begin the journey with the company's inception: SEEWEL Cables started its journey as a North India-based business group.

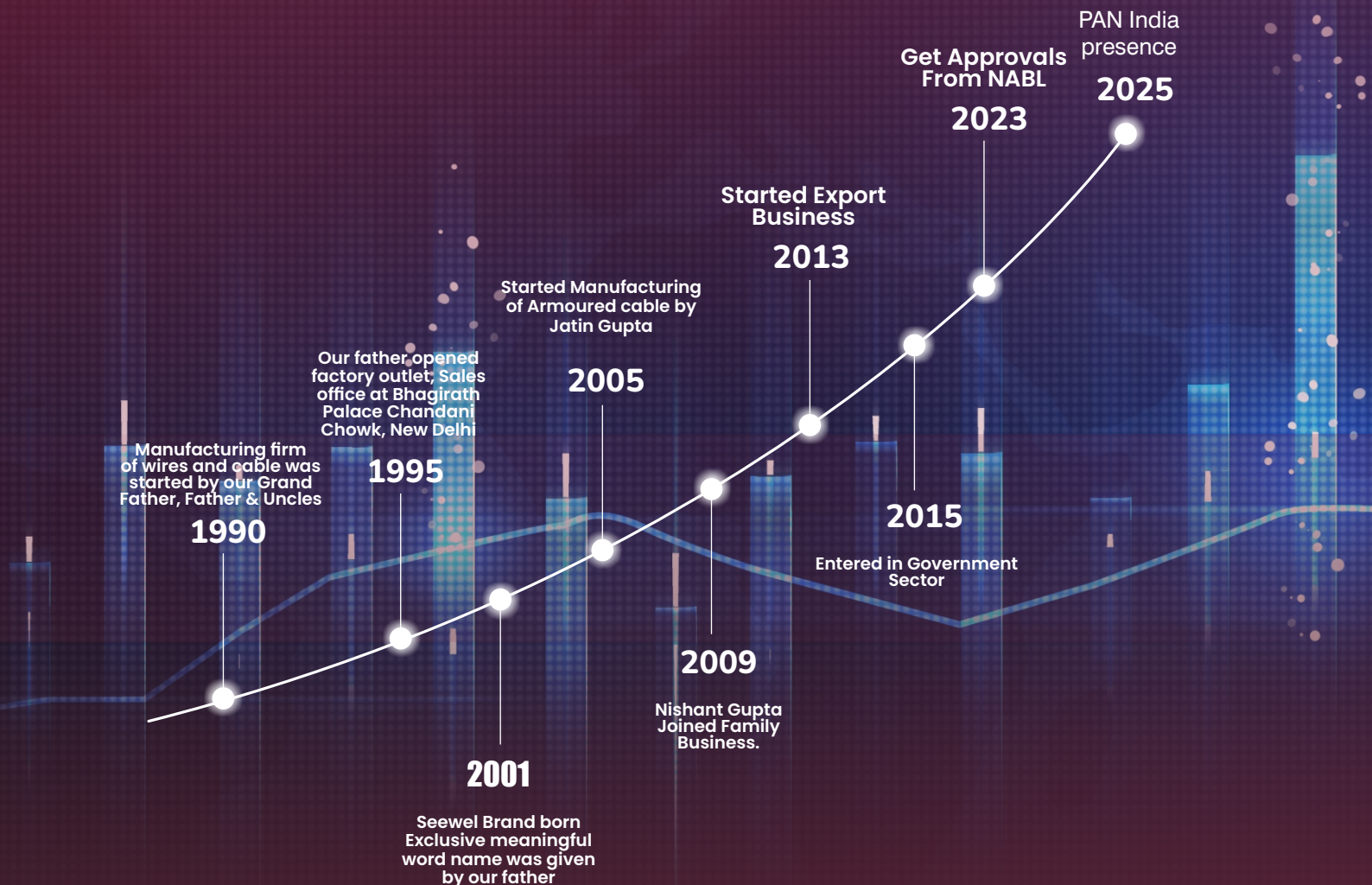


Quality Assurance

SEEWEL Cables prioritizes international quality and reliability standards. Rigorous checks at every stage ensure consistent excellence

OUR JOURNEY

SEEWEL Cables' journey spans three decades of growth, innovation, and unwavering commitment. We've evolved from humble beginnings into an industry leader, driven by quality, ethics, and customer satisfaction. Adapting to market changes and expanding our product range, we've built enduring relationships based on trust. Our journey continues with a focus on setting new industry standards and making a lasting impact in the world of cables and electrical solutions.

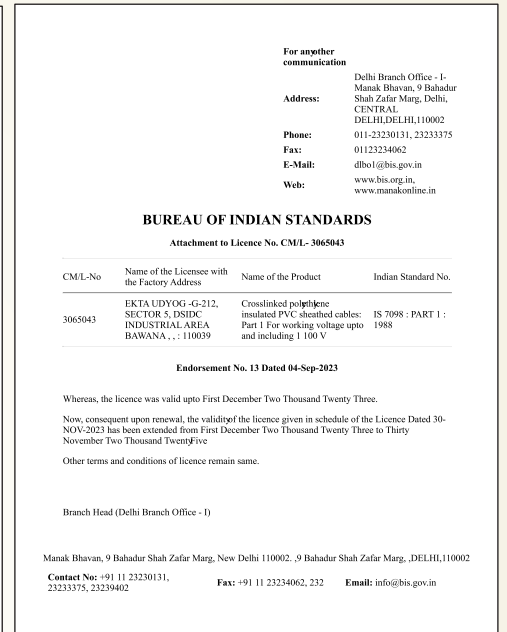
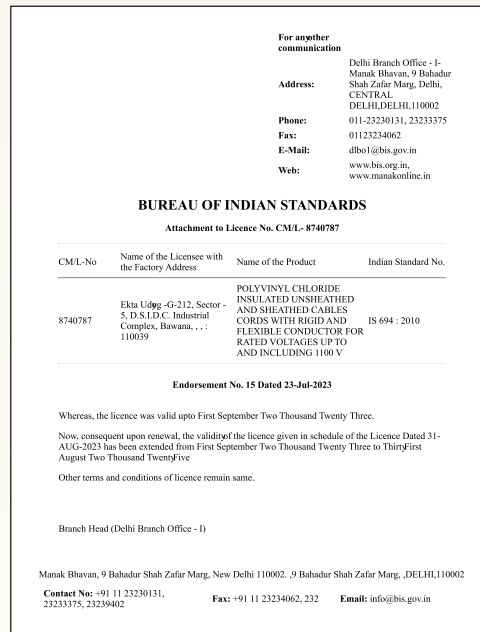


Information and figures provided are approximate and for general reference only.

Our commitment to *quality* is
the foundation of our success

EKTA UDYOG: Recognized with Indian
Standards Institutions Certifications

ISO: 17025 : 2017 Certified
Company (NABL)



GOVERNMENT APPROVALS



PWD
(Lucknow)



UPRNL



MES
(Bhathinda,
Sriganga nagar,
Bikaner)



MES
(Jammu,
Srinagar, Leh)



NABL

QUALITY CONTROL

SEEWEL takes pride in our vibrant Research and Development Department, a wellspring of knowledge and innovation. Our cables undergo a meticulous journey through stringent quality control procedures, receiving regular scrutiny from esteemed third-party inspection agencies. Independently NABL accredited test laboratories have consistently validated their performance through comprehensive type testing. Moreover, our standing is solidified as we stand registered and approved by eminent public and private sector organizations and respected consultants.

QUALITY MANAGEMENT CERTIFICATION

SEEWEL is ISO 9001-2015 certified, complying with the latest international Quality Management System standards. Our cables are type-tested successfully at independent labs like CPRI, ERDA, NTH, and the MSME Test Lab of the Government of India. They also undergo regular inspections by respected third-party agencies such as RITES, RDSO, ERDA, CPRI, PDIL, ensuring ongoing quality.

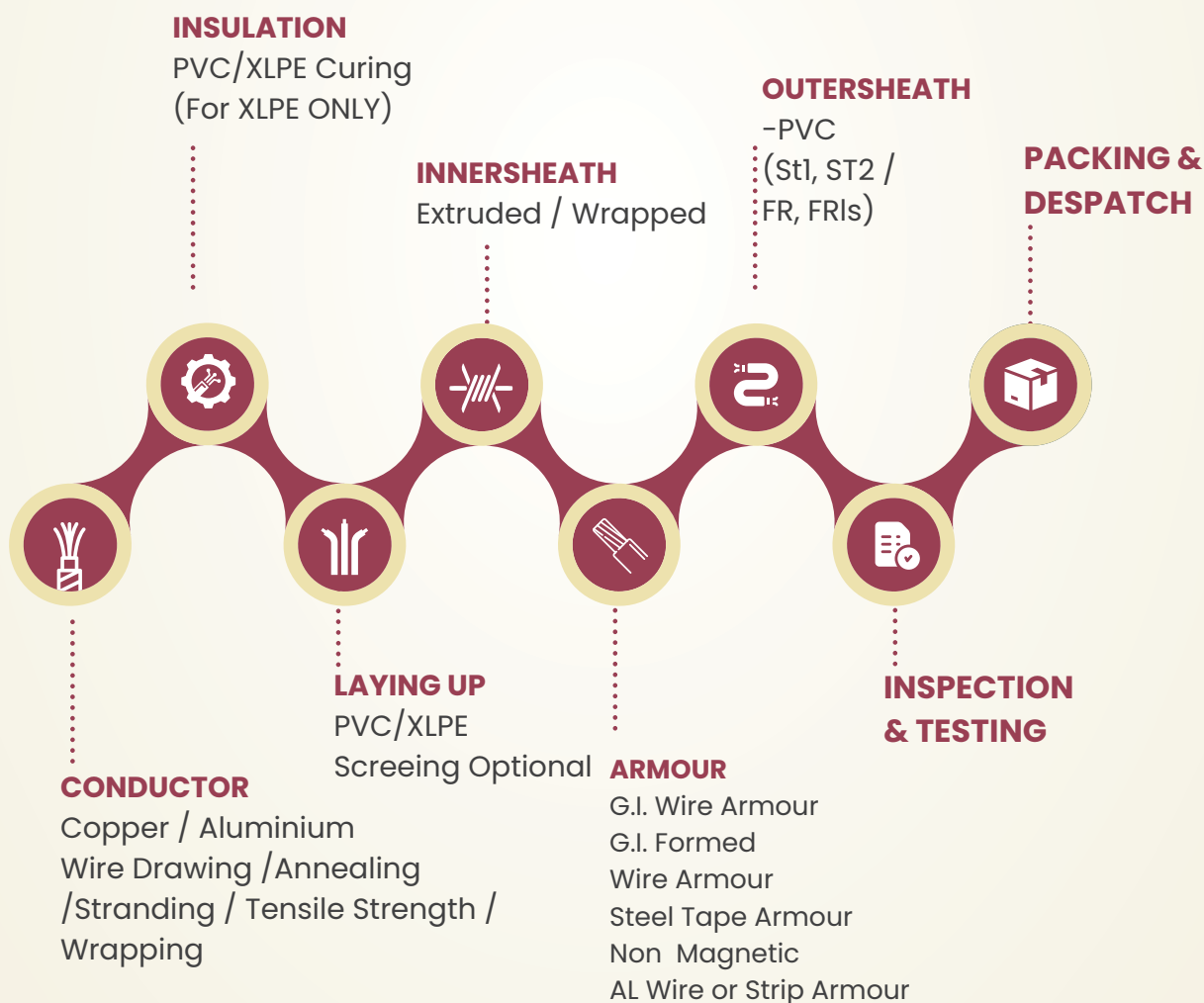
ISO Certifications

ISO 9001 : 2015



MANUFACTURING PROCESS

Our wire manufacturing process at **SEEWEL** Cables involves starting with copper or aluminum conductors, (Solid/ Stranded Circular / Shaped Aluminium / Copper) wire drawing, annealing, stranding, and insulating with PVC or XLPE. Optional screening and an extruded taped innersheath **enhance mechanical protection**. We offer various armor options, and each cable undergoes rigorous inspection and testing before packaging and dispatch. This meticulous process ensures the **high quality** and **reliability** of our



INSPECTION & TESTING

The Cables are Inspected and Tested as per the laid down procedure as specified scheme of inspection & Testing as per bureau of Indian Standards (IS:694:2010 & IS:7098 PT-1)

- Annealing Test for Copper wire used in conductor.
- Conductor Resistance Test
- Tensile Test for Aluminium.
- Wrapping Test for Aluminium.
- Dimensional Test.
- High Voltage Test.
- Volume Resistivity Test (IR)
- Physical Test on Insulation & Sheath.
- Tests on Armoured Wire / Strip.
- FRLS / FR Test on Cable.
- Flammability Test on Bunch Cable.
- Flame Retardent Test.
- Flammability Test on single Cable.
- Water Immersion Test.



RANGE OF PRODUCT

1

LT XLPE POWER CABLE (UP TO 1.1 KV)

Seewel XLPE Cable with Aluminium & Copper Conductor
Armoured, Un-Armoured as per IS:7098 PT-1 of Product
Range, Single Core upto 1000 Sq.mm & Multicore upto
400 Sq.mm.

2

COPPER CONTROL CABLES

Seewel Control Cables with Copper Conductor (Solid / Stranded)
Manufactured as per IS:7098 PT-1 upto 32 Cores

3

FR/FR-LSH MULTISTRAND SINGLE CORE & ROUND FLEXIBLE CABLE

Seewel single core/multicore cable with multistrand & flexible conductor
as per IS:694:2010

4

FR/FR-LSH MULTICORE CABLE

Multicore cable with multistrand & flexible conductor as per IS:694:2010

5

SUBMERSIBLE CABLES

Submersible cables with flexible / solid / stranded copper conductor
manufactured as per IS:694:2010

6

TWIN FLAT CABLES

Twin flat cables with Aluminium (solid) & Aluminium (flexible) conductor
manufactured as per IS:694:2010

OUR PRODUCTS

1.1 LT XLPE Power Cable Aluminium Armoured Cable

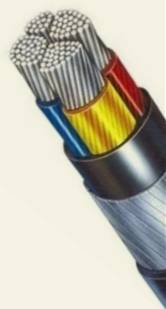
No. of Cores	Nom Cross sectional area	Nom Thickness of XLPE Insulation	Min. Thickness of inner sheath	Nom. Size of GI Flat Strip	Min. Thickness of outer sheath	Appex Overall Diam. of cable	Appx. Weight of cable	Max. dc Resistance of conductor at 20°C	Current Rating	
									In ground	In Air
No.	Sq.mm	mm	mm	mm	mm	mm	Kg/Km	Ohms/Km	Amps.	Amps.
2	16	0.7	0.3	4 x 0.8	1.24	16.5	620	1.91	78	70
2	25	0.9	0.3	4 x 0.8	1.40	18.5	670	1.20	95	99
3	16	0.7	0.3	4 x 0.8	1.24	18.0	700	1.91	78	70
3	25	0.9	0.3	4 x 0.8	1.40	22.0	870	1.20	94	96
3	35	0.9	0.3	4 x 0.8	1.40	24.0	950	0.868	113	117
3	50	1.0	0.3	4 x 0.8	1.40	27.0	1150	0.641	133	142
3	70	1.1	0.4	4 x 0.8	1.56	30.0	1460	0.443	164	179
3	95	1.1	0.4	4 x 0.8	1.56	33.0	1780	0.320	196	221
3	120	1.2	0.4	4 x 0.8	1.56	36.0	2100	0.253	223	257
3	150	1.4	0.5	4 x 0.8	1.72	40.0	2500	0.206	249	292
3	185	1.6	0.5	4 x 0.8	1.88	44.0	3000	0.164	282	337
3	240	1.7	0.6	4 x 0.8	2.04	49.0	3700	0.125	326	399
4	16	0.7	0.3	4 x 0.8	1.40	21.0	750	1.9	78	70
4	25	0.9	0.3	4 x 0.8	1.40	24.0	950	1.20	94	96
4	35	0.9	0.3	4 x 0.8	1.40	26.0	1150	1.865	113	117
4	50	1.0	0.4	4 x 0.8	1.56	29.0	1380	0.641	133	142
4	70	1.1	0.4	4 x 0.8	1.56	33.0	1780	0.443	164	179
4	95	1.1	0.4	4 x 0.8	1.56	37.0	2200	0.320	196	221
4	120	1.2	0.5	4 x 0.8	1.72	41.0	2600	0.253	223	257
4	150	1.4	0.5	4 x 0.8	1.88	45.5	3150	0.206	249	292
4	185	1.6	0.5	4 x 0.8	2.04	50.5	3800	0.164	282	337
4	240	1.7	0.6	4 x 0.8	2.20	57.0	4700	0.125	326	399

Outer colour: Black
1 Core
Size: 16 sq.mm to 400 sq.mm

2 Core
Size: 2.5 sq.mm to 70 sq.mm
Core colour: Red & Black

3 Core
Size: 4.0 sq.mm to 240 sq.mm
Core colour: Red, Yellow, Blue

4 Core
Size: 4 sq.mm to 240 sq.mm
Core colour: Red, Yellow, Blue & Black



LT XLPE Power Cable Aluminium Armoured Cable

Nom. Cross sectional area		Thickness of XLPE Insulation		Min. Thickness of inner sheath	Nom. Size of GI Flat Strip	Min. Thickness of outer sheath	Appex Overall Diam. of cable	Appx. Weight of cable	Max. dc resistance of main core conductor at 20°C	Current Rating	
Main Core	Neutral core	Main Core	Neutral core							In ground	In Air
Sq.mm	Sq.mm	mm	mm	mm	mm	mm	mm	Kg/Km	Ohms/Km	Amps.	Amps.
25	16	0.9	0.7	0.3	4 x 0.8	1.40	23.0	840	1.20	94	96
35	16	0.9	0.7	0.3	4 x 0.8	1.40	24.8	970	0.868	113	117
50	25	1.0	0.9	0.3	4 x 0.8	1.40	27.8	1120	0.641	133	142
70	35	1.1	0.9	0.4	4 x 0.8	1.56	31.8	1570	0.443	164	179
95	50	1.1	1.0	0.4	4 x 0.8	1.56	35.7	1860	0.320	196	221
120	70	1.2	1.1	0.4	4 x 0.8	1.72	38.5	2260	0.253	223	257
150	70	1.4	1.1	0.5	4 x 0.8	1.72	41.5	2550	0.206	249	292
185	95	1.6	1.1	0.5	4 x 0.8	1.88	47.0	3120	0.164	282	337
240	120	1.7	1.2	0.6	4 x 0.8	2.04	53.0	3880	0.125	326	399
300	150	1.8	1.4	0.6	4 x 0.8	2.20	56.5	4720	0.100	367	455

3.5 Core
Size: 25 sq.mm to 300 sq.mm
Core colour: Red, Yellow, Blue & Black



OUR PRODUCTS

1.2 LT XLPE Power Cable Aluminium Unarmoured cable

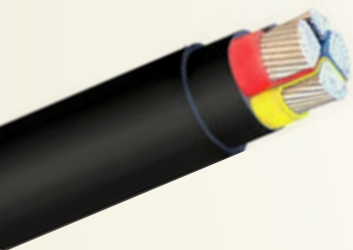
No of Core	Nom Cross Sectional area	Nominal Thickness of XLPE insulation	Minimum Thickness of inner sheath	Nominal Thickness of Outer Sheath	Approx Overall Dia of cable	Approx WT of Cable	Max D.c Resistance of conductor at 20 c	Current Rating	
								In Ground	Air
No.	SQ.MM.	MM	MM	MM	MM	KG/KM	OHM/KM	AMPS.	AMPS
2	16	0.7	0.3	1.80	14	250	1.91	78	70
2	25	0.9	0.3	2.0	18	400	1.20	95	99
3	16	0.7	0.3	1.80	17	350	1.91	78	70
3	25	0.9	0.3	2.0	20	500	1.20	94	96
3	35	0.9	0.3	2.0	22	600	0.868	113	117
4	16	0.7	0.3	1.8	19	450	1.91	78	70
4	25	0.9	0.3	2.0	22	600	1.20	94	96
4	35	0.9	0.3	2.0	24	750	0.868	113	117
4	50	1.0	0.3	2.0	27	950	0.641	133	142
4	70	1.1	0.4	2.2	31	1300	0.443	164	179
4	95	1.1	0.4	2.2	35	1700	0.320	196	221
4	120	1.20	0.4	2.4	39	2100	0.253	223	257
4	150	1.40	0.5	2.6	43	2550	0.206	249	292
4	185	1.6	0.5	2.8	48	3150	0.164	282	337
4	240	1.7	0.6	3.0	54	4000	0.125	326	399

Outer colour: Black
1 Core
Size: 16 sq.mm to 400 sq.mm

2 Core
Size: 4 sq.mm to 25 sq.mm
Core colour: Red & Black

3 Core
Size: 4.0 sq.mm to 35 sq.mm
Core colour: Red,Yellow ,Blue

4 Core
Size: 4 sq.mm to 120 sq.mm
Core colour: Red,Yellow,Blue & Black



1.2 LT XLPE Power Cable Aluminium Unarmoured cable

3.5 Core
Size: 25 sq.mm to 150 sq.mm
Core colour: Red,Yellow,Blue & Black

Nom. Cross sectional area		Thickness of XLPE Insulation		Min. Thickness of inner sheath	Nominal Thickness of Outer sheath	Approx. overall Dia. Of cable	Approx. Wt. of cable	Max D.C Resistance of conductor at 20° c	Current rating	
									In Ground	Air
Sq.mm		mm		mm	mm	mm	kg/km	ohm/km	Amps	Amps
25	16	0.9	0.7	0.3	2.0	21	600	1.20/1.91	94	96
35	16	0.9	0.7	0.3	2.0	24	700	0.868/1.91	113	117
50	25	1.0	0.9	0.3	2.0	26	900	0.641/1.20	133	142
70	35	1.10	0.9	0.4	2.20	30	1200	0.443/0.868	164	179
95	50	1.10	1.0	0.4	2.20	34	1500	0.320/0.641	196	221
120	70	1.20	1.1	0.4	2.20	37	1800	0.253/0.443	223	257
150	70	1.40	1.1	0.5	2.4	41	2250	0.206/0.443	249	292
185	95	1.6	1.1	0.5	2.6	46	2800	0.164/0.320	282	337



OUR PRODUCTS

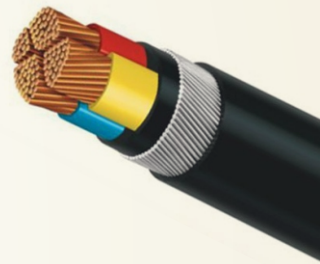
1.3 LT XLPE Copper Armoured Cable

No of Core	Nom. Cross sectional area	Nom. Thickness of Insulated	Min Thickness of inner sheath	GI FlatStrip		Min Thickness of outer sheath	Appx. Overall Diam. of cable	Appx. Weight of cable	Max. dc Resistance of conductor at 20° C	Current Rating	
				Round wire nom. Dia.	G.I Flat strip nom. Thickness					In ground	In Air
No.	Sq.mm	mm.	mm.	mm.	mm.	mm.	mm.	Kg/Km	Ohms/Km	Amps.	Amps.
2 C	4	0.7	0.3	1.4	-	1.24	15.5	520	4.61	51	44
3 C	4	0.7	0.3	1.4	-	1.24	16.0	510	4.61	43	36
4 C	4	0.7	0.3	1.4	-	1.24	17.5	600	4.61	43	36
2 C	6	0.7	0.3	1.4	-	1.24	16.0	560	3.08	693	56
3 C	6	0.7	0.3	1.4	-	1.24	17.0	630	3.08	54	47
4 C	6	0.7	0.3	-	4 x 0.8	1.24	18.0	700	3.08	54	47
2 C	10	0.7	0.3	-	4 x 0.8	1.24	17.5	730	1.83	88	75
3 C	10	0.7	0.3	-	4 x 0.8	1.24	19.0	830	1.83	72	62
4 C	10	0.7	0.3	-	4 x 0.8	1.24	21.0	970	1.83	60	52
2 C	16	0.7	0.3	-	4 x 0.8	1.24	18.0	800	1.15	94	85
3 C	16	0.7	0.3	-	4 x 0.8	1.24	18.5	825	1.15	94	85
4 C	16	0.7	0.3	-	4 x 0.8	1.40	20.0	1275	1.15	94	85

2 Core
Size: 1.5 sq.mm to 25 sq.mm
Core Colour: Red & Black

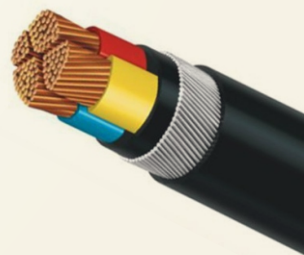
3 Core
Size: 1.5 sq.mm to 70 sq.mm
Core colour: Red, Yellow, Blue

4 Core
Size: 1.5 sq.mm to 120 sq.mm
Core colour: Red, Yellow, Blue & Black



LT XLPE Copper Armoured Cable

No of Core	Nom. Cross sectional area	Nom. Thickness of XLpe Insulated	Min Thickness of inner sheath	Nom. Size of GI Flat Strip	Min Thickness of outer sheath	Appx. Overall Diam. of cable	Appx. Weight of cable	Max. dc Resistance of conductor at 20° C	Current Rating	
									In ground	In Air
No.	Sq.mm	mm.	mm.	mm.	mm.	mm.	Kg/Km	Ohms/Km	Amps.	Amps.
2	25	0.9	0.3	4 x 0.8	1.40	19.0	910	0.727	120	125
3	25	0.9	0.3	4 x 0.8	1.40	20.5	1235	0.727	120	125
3	35	0.9	0.3	4 x 0.8	1.40	23.5	1550	0.524	145	155
3	50	1.0	0.3	4 x 0.8	1.40	25.6	2020	0.387	170	190
4	25	0.9	0.3	4 x 0.8	1.40	23.0	1520	0.727	120	125
4	35	0.9	0.3	4 x 0.8	1.40	25.5	2100	0.524	145	155
4	50	1.0	0.4	4 x 0.8	1.56	28.2	2720	0.387	170	190
4	70	1.1	0.4	4 x 0.8	1.56	32.0	3600	0.268	210	235
4	95	1.1	0.4	4 x 0.8	1.72	35.0	4800	0.193	250	290
4	120	1.2	0.5	4 x 0.8	1.72	39.0	5800	0.153	285	330



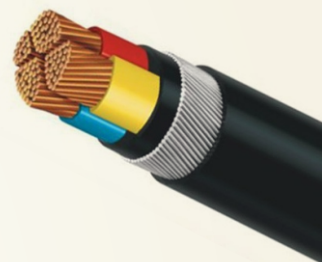
OUR PRODUCTS

LT XLPE Copper Armoured Cable

3.5 Core

Size: 25 sq.mm to 120 sq.mm
Core colour: Red, Yellow, Blue & Black

Non. Cross sectional area		Thickness of XLPE Insulation		Min. Thickness of inner sheath	Nom. Size of G.I Flat strip	Min. Thickness of outer sheath	Appx. Overall Diam. of cable	Appx. Weight of cable	Max. du resistance of main core conductor at 20° C	Current Rating	
Main core	Neutral core	Main core	Neutral core							In ground	In Air
Sq.mm.	Sq.mm.	mm.	mm.	mm.	mm.	mm.	mm.	Kg/Km	Ohms/Km	Amps.	Amps.
25	16	0.9	0.7	0.3	4 x 0.8	1.40	23.0	1450	0.727	120	125
35	16	0.9	0.7	0.3	4 x 0.8	1.40	25.0	1750	0.524	145	155
50	25	1.0	0.9	0.3	4 x 0.8	1.40	28.0	2260	0.387	170	190
70	35	1.0	0.9	0.4	4 x 0.8	1.56	32.0	3020	0.688	210	335
95	50	1.1	1.0	0.4	4 x 0.8	1.56	35.	3940	0.193	250	290
120	70	1.2	1.1	0.4	4 x 0.8	1.72	39.5	4950	0.153	285	330

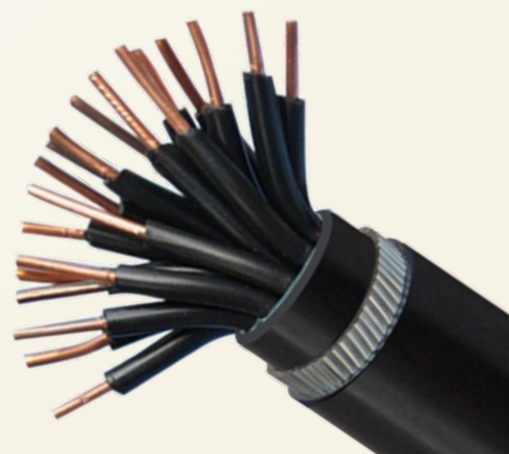


2.1 Copper Control Cable

5 Core to 24 Core

Size: 1.5 sq.mm to 2.5 sq.mm
Core colour: Grey With number

No. of Cores	Non. Cross sectional area	Nom. Thickness of Insulation	Min. Thickness of inner sheath	Galv. Steel Armour		Min. Thickness of outer sheath	Appx. Overall Diam. of cable	Appx. Weight of cable	Max. du Resistance of conductor at 20° C	Current Rating	
				Round wire non. Dia.	G.I Flat strip nom. Thickness					In ground	In Air
No.	Sq.mm.	mm.	mm.	mm.	mm.	mm.	mm.	Kg/Km	Ohms/Km	Amps.	Amps.
2 C	1.5	0.7	0.3	1.4	-	1.24	12.0	360	12.1	33	29
3 C	1.5	0.7	0.3	1.4	-	1.24	12.5	380	12.1	25	22
4 C	1.5	0.7	0.3	1.4	-	1.24	13.0	400	12.1	25	22
5 C	1.5	0.7	0.3	1.4	-	1.24	14.0	450	12.1	24	21
7 C	1.5	0.7	0.3	-	4 x 0.8	1.24	14.5	490	12.1	21	18
10 C	1.5	0.7	0.3	-	4 x 0.8	1.24	17.8	640	12.1	18	16
12 C	1.5	0.7	0.3	-	4 x 0.8	1.40	18.8	700	12.1	17	15
14 C	1.5	0.7	0.3	-	4 x 0.8	1.40	19.7	770	12.1	16	14
19 C	1.5	0.7	0.3	-	4 x 0.8	1.40	20.5	850	12.1	15	13
2 C	2.5	0.7	0.3	1.4	-	1.24	13.0	380	7.41	43	39
3 C	2.5	0.7	0.3	1.4	-	1.24	13.5	410	7.41	34	30
4 C	2.5	0.7	0.3	1.4	-	1.24	14.0	480	7.41	34	30
5 C	2.5	0.7	0.3	1.4	-	1.24	15.0	510	7.41	31	28
7 C	2.5	0.7	0.3	-	4 x 0.8	1.24	15.5	590	7.41	27	25
10 C	2.5	0.7	0.3	-	4 x 0.8	1.24	19.0	670	7.41	24	21
12 C	2.5	0.7	0.3	-	4 x 0.8	1.40	20.5	770	7.41	22	20
14 C	2.5	0.7	0.3	-	4 x 0.8	1.40	21.0	840	7.41	21	19
19 C	2.5	0.7	0.3	-	4 x 0.8	1.40	24.0	980	7.41	19	17



OUR PRODUCTS

3.1 FR/FR-LSH Multistrand single core wires

Nominal Area of Conductor	Nominal Thickness of Insulation	Nominal Overall Diameter	Max. Conductor Resistance at 20° C	Current Carrying Capacity 2 cables, Single Phase ac	
				Enclosed in Conduit / Trunking	Unenclosed clipped to a surface or on cable tray
Sq.mm.	mm.	mm.	Ohms / Km	Amps	Amps
1.0	0.70	2.8	18.10	11	12
1.5	0.70	3.1	12.10	13	16
2.5	0.80	3.8	7.14	18	22
4.0	0.80	4.6	4.95	24	19
6.0	0.80	5.3	3.30	31	37

Size: 0.75 sq.mm to 300 sq.mm
Colour: Availability

0.75 sq. mm: Green

1.0 sq.mm to 4 sq.mm: Red, Yellow, Black, Blue, Green, White & Grey



FR/FR-LSH Multistrand single core wires

Nominal Area of Conductor	Nominal Thickness of Insulation	Appx. Overall Diameter	Max. Conductor Resistance at 20° C	Current carrying capacity Bunched & enclosed in conduit or Trunking		Current carrying capacity Clipped direct to a surface or on Cable tray Bunched & unenclosed	
				2 Cables single phase ac or dc	3 or 4 cables 3 phase ac	2 Cables single phase ac or dc	3 or 4 cables 3 phase ac
Sq.mm.	mm.	mm.	Ohms / Km	Amps	Amps	Amps	Amps
10	1.0	6.5	1.91	42	35	51	45
16	1.0	7.5	1.21	57	48	68	61
25	1.2	9.5	0.780	71	60	86	75
35	1.2	10.5	0.554	91	77	110	99
50	1.4	12.0	0.386	120	100	145	135

6 sq.mm to 70 sq.mm. Red, Yellow, Black, Blue & Green



FR/FR-LSH Multistrand single core wires

Nominal Area of Conductor	Nominal Thickness of Insulation	Appx. Overall Diameter	Max. Conductor Resistance at 20° C	Current carrying capacity Clipped direct to a surface or on Cable tray Bunched & unenclosed		Current carrying capacity	
				2 Cables single phase ac or dc	3 or 4 cables 3 phase ac	Flat or vertical 2 cables single phase ac or dc or 3 or 4 cables 3 phase ac	Trefoil (3 cables 3 phase ac)
Sq.mm.	mm.	mm.	Ohms / Km	Amps	Amps	Amps	Amps
70	1.4	14.5	0.272	200	180	215	185
95	1.6	16.0	0.206	235	215	260	230
120	1.6	18.5	0.161	270	240	305	267
150	1.8	21.0	0.129	310	280	355	305
185	2.0	23.0	0.106	360	320	415	350
240	2.2	27.0	0.080	425	385	500	420
300	2.4	30.0	0.064	490	440	585	490

95 sq.mm to 300 sq.mm: Black



OUR PRODUCTS

3.2 FR/FR-LSH Round Flexible Cable

Size: 0.75 sq.mm to 150 sq.mm
Outer Colour: Black

Core colour identification:

(Size: 0.75 to 25) 2 Core: Red & Black

(Size: 0.75 to 150) 3 Core: Red, Black, Yellow / Green Line

(Size: 0.75 to 150) 4 Core: Red, Black, Yellow / Green Line & Blue

(Size: 0.75 to 50) 5 Core: Red, Black, Yellow / Green Line, Blue & Grey



Sq.mm.	Ohms/Km	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	Amps
0.75	26.0	0.6	2.5	0.9	0.9	0.9	6.8	7.2	7.8	7
1.00	18.1	0.6	2.6	1.2	1.2	1.2	7.5	8.0	8.7	11
1.50	12.1	0.7	3.0	1.2	1.2	1.3	8.6	8.9	10.0	14
2.50	7.41	0.8	3.7	1.3	1.3	1.3	10.0	10.6	11.6	19
4.00	9.95	0.8	4.3	1.0	1.0	1.0	11.0	11.5	13.0	26

FR/FR-LSH Round Flexible Cable



Cond. Area	Max. Conductor resistance at 20 ° C	Nom Thickness of Insulation	Appx. Dia over Insulation	Nom. Sheath Thickness			Appx. Overall Diameter			Current Rating	
				2 Core	3 Core	4 Core	2 Core	3 Core	4 Core	2 Core single phase ac	3 or 4 core 3 phase ac
Sq.mm.	Ohms/Km	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	Amps	Amps
6	3.30	0.8	5.1	1.10	1.10	1.20	12.5	13.3	14.8	34	30
10	1.91	1.0	6.6	1.30	1.40	1.40	15.6	16.6	18.6	44	39
16	1.21	1.0	8.0	1.40	1.40	1.40	18.6	19.9	22.2	61	55
25	0.780	1.2	10.0	1.40	1.50	1.60	23.0	24.6	27.4	69	60
35	0.554	1.2	11.0	1.60	1.60	1.70	25.3	26.0	28.0	88	77
50	0.386	1.4	13.4	2.00	2.00	2.00	30.1	32.0	33.0	116	102

OUR PRODUCTS

4.1 FR/FR-LSH Multicore Cables

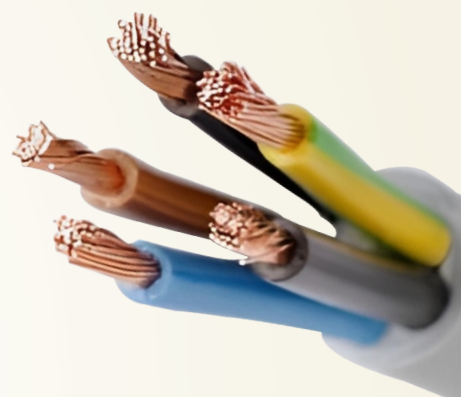
Size: 0.75 sq.mm to 2.5 sq.mm

No. of cores : 32 Core

Outer Colour : Black

Core Colour : Grey with numbering

No. of Cores	Nominal Area of Conductor	Nom. Thickness of Insulation	Nom. Thickness of Sheath	Appx. Overall Diameter	Max. Conductor resistance at 20 °C	Current Rating
No.	Sq.mm.	mm.	mm.	mm.	Ohms/Km	Amps
5	1.5	0.6	1.0	10.0	12.1	14
6	1.5	0.6	1.0	10.8	12.1	14
7	1.5	0.6	1.0	10.8	12.1	13
8	1.5	0.6	1.0	12.1	12.1	12
10	1.5	0.6	1.0	13.6	12.1	11
12	1.5	0.6	1.0	14.0	12.1	10
14	1.5	0.6	1.0	14.7	12.1	9
16	1.5	0.6	1.0	15.6	12.1	9
19	1.5	0.6	1.0	16.4	12.1	8
24	1.5	0.6	1.0	19.2	12.1	7
5	2.5	0.7	1.0	11.6	7.41	19
6	2.5	0.7	1.0	12.6	7.41	18
7	2.5	0.7	1.0	12.6	7.41	17
8	2.5	0.7	1.0	14.1	7.41	16
10	2.5	0.7	1.0	16.0	7.41	15
12	2.5	0.7	1.0	16.5	7.41	14
14	2.5	0.7	1.0	17.4	7.41	13
16	2.5	0.7	1.0	18.4	7.41	12
19	2.5	0.7	1.0	19.4	7.41	10
24	2.5	0.7	1.0	22.8	7.41	9



5.1 Submersible Cables

Size: 1.5 sq.mm to 16 sq.mm

Outer Colour : Black & Grey

Core Colour : Red, Yellow & Blue



Nominal Area of Conductor	Max. Conductor resistance at 20 °C	Nom. Insulation Thickness	Nom. Outer Sheath Thickness	Appx. Overall Size (W x T)	Current Rating
Sq.mm.	Ohms/Km	mm.	mm.	mm.	Amps
1.0	18.1	0.6	0.9	9.3 x 4.3	11
1.5	12.1	0.6	0.9	1.2 x 4.6	14
2.5	7.41	0.7	1.0	12.2 x 5.4	19
4.0	4.95	0.8	1.0	14.6 x 6.2	26
6.0	3.30	0.8	1.1	16.6 x 7.0	30
10	1.91	1.0	1.4	20.7 x 8.1	39
16	1.21	1.0	1.4	24.2 x 9.8	55

OUR PRODUCTS

6.1 Aluminium Twin Flat Cable

Size: 2.5 sq.mm to 16 sq.mm

Outer Colour : Black

Core Colour : Red & Black

Nominal Area of Conductor	Max. Conductor resistance at 20° C	Nom. Insulation Thickenss	Nom. Outer Sheath Thickenss	Appx. Overall Size (W x T)	Current Rating
Sq.mm.	Ohms/Km	mm.	mm.	mm.	Amps
2.5	12.1	0.7	1.0	9.2 x 5.6	19
6.0	4.61	0.8	1.1	11.2 x 6.8	32
10.0	3.08	1.0	1.2	13.8 x 8.0	42
16.0	1.91	1.0	1.3	16.8 x 9.7	58



RECOMMENDATION FOR HANDLING, STORAGE & INSTALLATION OF POWER CABLES

Proper care and precautions should be taken while handling, storage and installation of Power cables. The general recommendations are as follows:

HANDLING: The cable drums should be unloaded from trucks or railway wagons with the help of crane, fork lift or using a proper ramp with 1:3 or 1:4 incline so as to avoid damage to the outer layer of cables, The cable with drum or without with drum should never be thrown or dropped on the ground from the truck or wagon.

STORAGE: The cable drum should be stored in dry covered area having concrete/firm surface. The drum should be stored in such a way that the bottom end of cable is not damaged, Cable drums should not be stored one above the other



INSTALLATION: Cable should be unwound from the drum after lifting the drum on the centre shaft supported on both the ends with suitable jacks/ stand. if the cable is in coil form then it should be unwound by putting the coil on a rotating platform or by rolling the coil held vertically. if unwinding the coil by rolling then it should be ensured that the ground surface is even and smooth so that the cable is not damaged.

The cable drum should always be stored with flanges vertical and lying flat on the ground. The drum should be rolled in the direction of arrow to avoid loosening and entanglement of cable winding. The drum should not be rolled on rocky uneven surface with sharp projections.

Recommended safe pulling force in Newtons when cable is pulled with pulling eyes is:

- | | |
|----------------------------------|------------------------------------|
| a) For Aluminium Conductor Cable | 30 x total conductor area in sq.mm |
| b) For Copper Conductor Cable | 50 x total conductor area in sq.mm |

Recommended safe pulling force in Newtons when cable is pulled with stockings is:

- | | |
|-------------------------|--------------|
| a) For Armoured Cable | 9 x D Square |
| b) For Unarmoured Cable | 5 x D Square |

Recommended minimum bending radius of power cable is :

Power Cable	1.1 Kv Cables
Single Core Cables	15 x D
Multicore Cables	12 x D



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