

**LITMUS**  
INDUSTRIES LIMITED



**WIRES  
And  
CABLES**

 **LITMUS**  
CABLES  
QUALITY ॐ NO.1

[www.litmus.com.np](http://www.litmus.com.np)

# OVERVIEW

The foundation of Litmus Industries (formerly known as Lumbini Vidyut) dates back to 1977, laid with a vision of creating deep connections, value, and growth for our people, partners, and stakeholders.

As Nepal's leading manufacturer of wires, cables, and conductors, Litmus is the largest company in the sector and the first and only public company in this field. Playing a vital role in Nepal's electrification journey, Litmus provides reliable products that strengthen the nation's energy infrastructure. Our brand expression, Electrifying Nepal, reflects its mission of bringing innovation and energy to power a brighter future, much like the first rays of sunlight bringing hope to a new day.

Since 2014, under the purview of Ramesh Corp, Litmus has driven progressive change. As the foremost and most trusted brand in Nepal's wires, cables, and conductors industry, we take immense pride in illuminating an electrified Nepal. Our commitment remains unwavering as we advance in harmony with the nation's growth agenda, contributing to its vitality and progress.



# CERTIFICATIONS

The Litmus manufacturing facilities are proud to have ISO 9001:2015 certification, guaranteeing a quality management system that ensures the consistent delivery of products that meet customer, statutory, and regulatory requirements.

Litmus products have obtained certifications from the Nepal Bureau of Standards and Metrology and ISI certification from the Bureau of Indian Standards, demonstrating our dedication to providing quality products in Nepal.

In recognition of our unwavering commitment to superior quality, Litmus received the "NS Quality Award" from the government of Nepal in 2010, distinguishing us as the only cable manufacturing company in Nepal to be honored for such excellence.

Some of our products have prestigious certifications like KEMA for energy utilization, as well as CPRI, TAG, and ERDA certificates, which not only increase their acceptance in Nepal but also in other South Asian countries. These awards, accolades, and certifications highlight Litmus' dedication to innovation, propelling us towards a brighter and more innovative future.





**FR FIRE  
RETARDANT**



**FRLS FIRE RETARDANT  
LOW SMOKE**



**ECOWIRE-ZH**



**CONCENTRIC  
CABLES**



**FLEXIBLE TWIN  
TWISTED CABLES**



**LV POWER  
CABLES**



**CONTROL CABLES**



# MULTISTRAND CABLES

Litmus wires are mainly used for wiring domestic and commercial structures. They are capable of handling 85°C operating temperature since they are insulated with a flame-retardant PVC compound (formulated and manufactured in-house). They have excellent electrical and mechanical characteristics. Stressing over damage caused by rodents to the wiring in your house is a thing of the past with Litmus. The anti-rodent properties of Litmus wires make them an ideal choice. They are manufactured using minimum 99.97% Electrolytic grade, annealed bare copper with more than 100% conductivity. Their fine drawn multi strand conductor provides enhanced flexibility and makes them ideal for concealed wiring. They are suitable for installation in lighting fittings and appliances up to 1100 v (A.C.). These wires work well even in adverse atmospheric conditions. Characteristics like these make Litmus wires reliable, energy efficient and highly safe.

# Application

These cables are used for wiring domestic and commercial buildings. A fine drawn multi strand conductor provides enhanced flexibility & makes it ideal for concealed wiring. It is suitable for installation in lighting fittings and appliances up to 1100 v (A.C)

# Construction/ Structure

Conductor	99.98% pure electrolyte grade bright annealed bare Copper.
Insulation	FR+HR PVC compound with a high insulation resistance ensures uninterrupted power supply at all weather condition.
Operating Temperature	99.98% pure electrolyte grade bright annealed bare Copper.
Conductor	-15°C to maximum + 85°C
Standard length of packing	90 meters coil in mono pack.
Color	Red, Green, Yellow, Blue, Black.



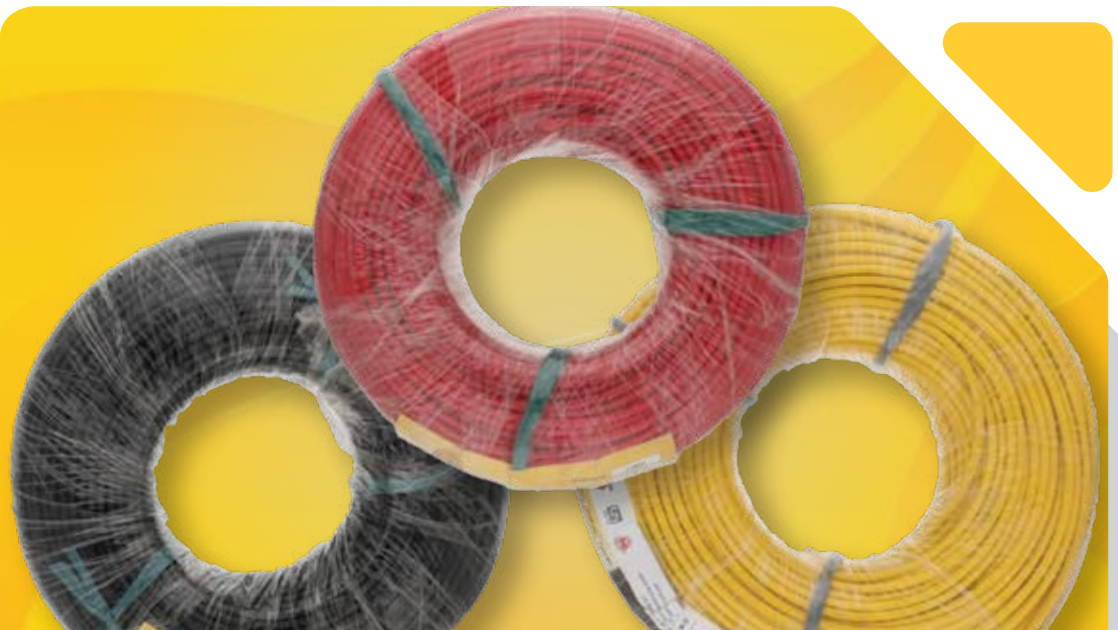
# FIRE RETARDANT (FR)

Fire Retardant (FR) cables retain circuit integrity and continue to work in the presence of fire. It is necessary for fire alarm systems, emergency lighting, and voice alarm systems. In a case of a fire, it is possible to assure building evacuation, alarm signals, and activation of extinguishing systems. Fire resistant cables are always flame retardant, ensuring the maximum level of safety during a fire.

## BENEFITS OF FIRE RETARDANT (FR) CABLES:

- ◆ The cable can prevent the burning flame, effectively controlling the spread of the fire & the loss and ensuring personal safety.
- ◆ Low toxin and halogen free
- ◆ Does not produce corrosive gas which damages metal and other building materials.
- ◆ Easy to install and operate

**Available Sizes:** 0.75 SQ MM - 16 SQ MM (Upto 1100 KV)



# FIRE RETARDANT LOW SMOKE (FRLS)

Fire Retardant Low Smoke Cables (FRLS Cables) are manufactured with Pure Electrolyte Grade, lightened bare copper with more than 100% conductivity which produces magnificent conductor of electricity and saves energy. FRLS Cables makes sure the release of low smoke compared to other wires with PVC coating. These cable are less toxic in nature and emit low amount of corrosive fumes.

## BENEFITS OF FIRE RETARDANT LOW SMOKE (FR) CABLES:

- ◆ High resistance to ignition
- ◆ High resistance to flame propagation
- ◆ Low smoke emission
- ◆ Low emission of acid fume
- ◆ High critical oxygen index, which is much greater than general purpose of PVC.

**Available Sizes:** 0.75 SQ MM - 16 SQ MM (Upto 1100 KV)



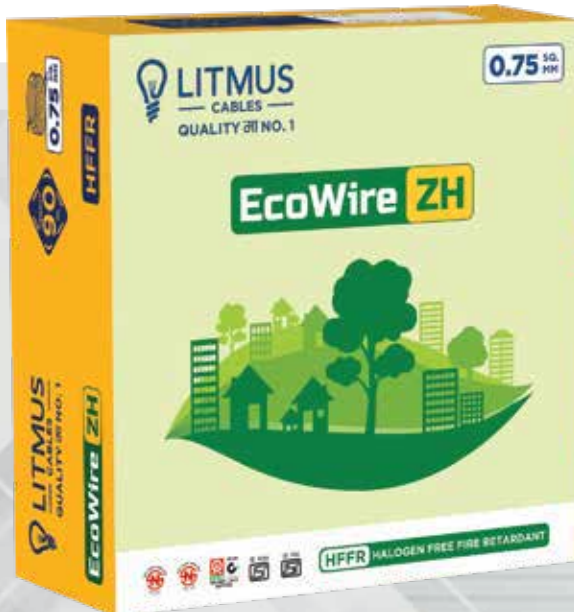
# ECOWIRE-ZH

Elevated safety awareness has led to a higher demand for electrical installations that use low-emission wires and cables to protect people, buildings, equipment, and the environment from fire hazards. Litmus Cables' ECOWIRE-ZH is a revolutionary wire manufactured in Nepal with specially formulated PVC polymers containing ZERO HALOGEN to improve safety by reducing smoke and halogen-free gases released in the event of a fire, making electrical wiring safe and environmentally friendly.

## FEATURES OF ECOWIRE-ZH:

- ◆ The smoke density of burnt cables is low, allowing people to safely exit the building and rescue groups to respond quickly.
- ◆ No halogens, toxic fumes, or asphyxiating gases.
- ◆ Corrosive gases do not corrode the hardware.
- ◆ Flames cannot spread because cables are flame-resistant.
- ◆ Environmentally friendly and Ozonefriendly

**Available Sizes:** 0.75 SQ MM - 16 SQ MM (Upto 1100 KV)



# Single core PVC insulated Multi-strand Copper Conductor Cables for Flexible Wiring Voltage Grade 650/1100 V

NOMINAL CS AREA OF CONDUCTOR	NUMBER OF WIRES AND DIA OF WIRES	NOMINAL THICKNESS OF INSULATION	CURRENT CARRYING CAPACITY IN CONDUIT/ TRUNKING	2 CABLES SINGLE Ø UNENCLOSED CLIPPED DIRECTLY TO A SURFACE OR ON CABLE TRAYS	CONDUCTOR RESISTANCE OHM/KM (MAX)
SQ MM	MM	MM	AMPS	AMPS	AT 20° C
1.0	14/0.3	0.70	11	12	18.10
1.5	21/0.30	0.70	13	16	12.10
2.5	36/0.30	0.80	18	22	7.41
4.0	56/0.3	0.80	24	29	4.95
6.0	85/0.3	0.80	31	37	3.30
10	80/0.4	1.00	42	51	1.91
16	126/0.4	1.00	57	68	1.21
25	196/0.4	1.20	71	86	0.780
35	276/0.4	1.20	91	110	0.554
50	396/0.4	1.40	120	145	0.386

# Multi-core Round Flexible PVC insulated Copper Conductor & Sheathed Cables for Flexible Wiring in Voltage Grade 650/1100 V

NOMINAL CS AREA OF CONDUCTOR	NUMBER/ NOM.DIA OF WIRES	THICKNESS OF INSULATION (NOM)	NOMINAL THICKNESS OF SHEATH				CURRENT RATING AC	VOLTAGE DROP		RESISTANCE MAX PER KM @200C
			TWIN CORE	THREE CORE	FOUR CORE	FIVE CORE		D/C 1 Ø AC	3 Ø AC	
MM	SQ. MM	MM	MM	MM	MM	MM	MM	MV	MV	OHMS
0.5	7 / 0.30	0.6	0.9	0.9	0.9	0.9	4	83	72	39.0
0.75	10 / 0.30	0.6	0.9	0.9	0.9	0.9	7	56	48	26.0
1.0	14 / 0.30	0.6	0.9	0.9	0.9	1.0	11	43	37	19.5
1.5	21 / 0.30	0.6	0.9	0.9	1.0	1.0	15	31	26	13.3
2.5	36 / 0.30	0.7	1.0	1.0	1.0	1.0	20	18	16	7.98
4.0	56 / 0.30	0.8	1.0	1.0	1.0	1.0	26	11	9.6	4.95



# CONCENTRIC CABLES

Litmus Cables manufacture a comprehensive range of concentric cables which includes neutral earth wires around the insulated phase conductors covered with PVC Sheath for providing the final service connection to domestic properties. These cables are designed to be installed in air, or burial in free draining soil conditions.

## Features

- ◆ Low and Zero order impedance which benefits quality improvement for power supply.
- ◆ Lower Preface resistance which benefits the sensitive action of automatic protection devices on short circuit.
- ◆ Strong resistant characters against electromagnetic interferences and thunder strike,
- ◆ Easy for Installation.

## Technical Information

Type	Size	Voltage Rating
Aluminium Conductor PVC Insulation Aluminium Armoured PVC Outer Sheathed in accordance to IEC-60502(part-I).	4 Sq.mm. to 25 Sq.mm.	Upto 1.1 kV

# FLEXIBLE TWIN TWISTED CABLES

Flexible Twin Twisted Cable is a wire made of copper conductor and is commonly used for temporary use to fulfil domestic needs.

## FEATURES OF FIRE RETARDANT (FR) CABLES:

- ◆ With perfect thickness
- ◆ Can easily use in innumerable applications
- ◆ Perfectly twisted
- ◆ Copper Conductor

**Available Sizes:** 0.25 SQ MM & 0.5 SQ MM)



# LOW VOLTAGE POWER CABLES

Ideal for distributing electricity to residential, commercial and industrial units the Low-Tension Power Cables are made with high quality copper and aluminium to offer superior conductivity. Available in Single core and multi core configurations, they are safe, non-hazardous, lead and cadmium-free and are manufactured at the largest integrated cables unit in Nepal. These cables consist of three major components conductors, insulation, and protective outer sheath. The makeup of individual cables varies according to application.

## Application

LV power cables is used widely in many industries ranging from industries involved in water, renewable energy, distribution and power networks, nuclear and thermal power stations, airports, marine, defense, telecommunications, windmills, building, mining, offshore, applications, ship wiring, railways, automation, audio visual and manufacturing industries, these cables can be suitable for a huge amount of applications.



# Construction

Conductor	Stranded / Solid / Circular / shaped as per IS:8130, IEC 60228, BS 6360
Material	Aluminium / Copper
Insulation	PVC / XLPE / HR PVC / Zero Halogen
Inner sheath	PVC /HR PVC /FR/FRLS PVC / Zero Halogen as per IS 5831, IEC 60502, BS 7655.
Armour	G.S STEEL ROUND WIRE /G.S. STEEL FORMED WIRE (STRIP) / G.S. STEEL TAPE/ALUMINIUM ROUND WIRE / ALUMINIUM FORMED WIRE (STRIP)/ ALUMINIUM TAPE as per IS 3975, IEC 60502 P 1.
Outer sheath	PVC /HR PVC /FR/FRLS PVC / Zero Halogen as per IS 5831, IEC 60502, BS 7655.

Product	Type	Size	Voltage Rating
PVC / XLPE insulated cables conforming to IS:1554 I / IS:7098 I, BS:6346, IEC:60502, BS:5467, BS:6724 and Customer specific requirements	Aluminum Armoured & Unarmoured	Single Core : 1.5 to 1000 sq. mm	Upto 1.1 kV
		Multi core : 1.5 to 630 sq. mm	
	Copper Armoured & Unarmoured	Single Core : 1.5 to 1000 sq. mm	
		Multi core : 1.5 to 630 sq. mm	

# Product Features

## XLPE INSULATED CABLES

- Higher current rating and emergency overload rating
- Superior short circuit rating
- Low dielectric loss
- Much better insulation resistance
- Resistant to chemical & corrosive gases etc.
- Better resistance to surge currents
- Much longer life of the cables

## PVC INSULATED CABLES



- High dielectric strength & resistance to D.C. Voltage effects
- High mechanical strength & resistance to abrasion, vibration & ageing
- Resistant to most acids, alkalis, to temporary contact with solvents, Oils and liquid fluids
- Flame retardant, does not support combustion and self-extinguishing

## INSULATION MATERIAL

- FR/FRLS/FRLSH/HFFR
- PVC/XLPE

## APPLICABLE STANDARD

- IS:1554-1, IS:7098-1
- IS:8130, IS:5831

TECHNICAL INFORMATION	CONSTRUCTION OPTION	CROSS SECTIONAL VIEW
<p><b>Type:</b> PVC / XLPE insulated cables conforming to IS:1554-I / IS:7098-I, BS:6346, IEC:60502, BS:5467, BS:7846 and Customer specific requirements</p>	<p>Conductor – Stranded / Solid / Circular shaped as per class-2 of IS:8130 Material – -Aluminum / Copper</p>	
<p><b>Sizes:</b> Single Core 1.5 to 1000 sq. mm Multi core 1.5 to 630 sq. mm</p>	<p>Insulation – PVC /XLPE/HR PVC / Zero Halogen (Phase, Red, Yellow, Blue &amp; Neutral – Black) Colour</p>	
<p>Voltage Rating: 1.1 Kv</p>	<p>Inner sheath – PVC /HR PVC /FR/FRLS PVC, as per IS :7098PT-1</p>	

# CURRENT RATINGS FOR PVC INSULTAED & PVC SHEATHED (Unarmoured and Armoured) POWER CABLES VOLT GRADE 650/1100 V

SIZE	CORE	OUTER DIAMETER		CURRENT RATINGS			
		UNARMOURED	ARMOURED	ALUMINIUM		COPPER	
				IN GROUND	IN AIR	IN GROUND	IN AIR
SQ. MM.		MM	MM	AMPS	AMPS	AMPS	AMPS
1.5	1	6.8	9.4	21	18	25	22
	2	11.0	12.2	18	16	23	20
	3	11.2	12.3	16	13	21	17
	4	11.4	13.1	16	13	21	17
2.5	1	7.5	10.0	28	25	35	30
	2	13.8	15.5	25	21	32	27
	3	14.4	14.6	21	18	27	24
	4	14.5	14.6	21	18	27	24
4	1	8.2	10.8	31	27	39	35
	2	15.5	15.8	32	27	41	35
	3	16.0	16.2	28	23	36	30
	4	14.5	16.2	28	23	36	30
6	1	8.8	11.4	39	35	49	44
	2	16.5	17.0	40	35	50	45
	3	17.5	17.7	35	30	45	39
	4	15.7	16.8	35	30	45	39
10	1	9.8	12.4	51	47	65	60
	2	18.4	19.2	55	47	70	60
	3	18.5	18.9	46	40	60	52
	4	17.7	18.5	46	40	60	52
16	1	10.7	13.3	66	64	85	82
	2	20.5	21.2	70	59	90	78
	3	21.5	21.5	60	51	77	66
	4	20.0	20.8	60	51	77	66
25	1	12.8	15.3	86	84	110	110
	2	21.8	22.2	86	75	115	105
	3	22.8	23.0	76	70	99	90
	3.5	23.1	23.5	76	70	99	90
	4	24.1	24.5	76	70	99	90
35	1	13.6	16.2	100	105	130	130
	2	23.5	24.0	110	99	140	125
	3	25.0	25.4	92	86	120	110
	3.5	25.0	25.4	92	86	120	110
	4	26.6	27.1	92	86	120	110
50	1	15.5	18.0	120	130	155	165
	2	25.0	25.8	135	125	165	155
	3	27.5	28.6	110	105	145	135
	3.5	29.0	29.7	110	105	145	135
	4	30.7	31.5	110	105	145	135

SIZE	CORE	OUTER DIAMETER		CURRENT RATINGS			
		UNARMoured	ARMoured	ALUMINIUM		COPPER	
				IN GROUND	IN AIR	IN GROUND	IN AIR
SQ. MM.		MM	MM	AMPS	AMPS	AMPS	AMPS
70	1	17.7	20.6	140	155	190	205
	2	30.2	30.5	160	150	205	195
	3	32.0	32.5	135	130	175	165
	3.5	32.8	33.6	135	130	175	165
	4	34.7	35.2	135	130	175	165
95	1	19.9	22.4	175	190	220	245
	2	32.8	33.2	190	185	240	230
	3	35.5	36.5	165	155	210	200
	3.5	37.4	37.7	165	155	210	200
	4	39.5	40.3	165	155	210	200
120	1	21.5	24.0	195	220	250	280
	2	36.5	37.5	210	210	275	265
	3	39.0	39.5	185	108	240	230
	3.5	40.7	41.4	185	108	240	230
	4	42.8	43.7	185	108	240	230
150	1	23.4	25.9	220	250	280	320
	2	38.2	38.8	240	240	310	305
	3	43.0	43.8	210	205	270	265
	3.5	44.6	45.2	210	205	270	265
	4	47.8	48.5	210	205	270	265
185	1	25.7	28.6	240	290	305	370
	2	40.5	40.8	275	275	350	350
	3	46.5	48.3	235	240	305	300
	3.5	49.8	50.3	235	240	300	305
	4	52.4	53.5	235	240	300	305
240	1	28.8	32.1	270	335	345	425
	2	45.0	46.0	320	325	405	410
	3	52.0	54.2	275	280	345	355
	3.5	55.8	56.2	275	280	345	355
	4	59.2	60.2	275	280	345	355
300	1	31.8	35.0	295	380	375	475
	2	49.0	49.5	355	365	450	465
	3	57.5	60.1	305	315	385	400
	3.5	62.1	62.4	305	315	385	400
	4	65.9	66.6	305	315	385	400
400	1	35.4	39.1	325	435	400	550
	2	56.0	57.5	385	420	490	530
	3	65.0	38.1	335	375	425	455
	3.5	70.3	71.5	335	375	425	455
	4	74.6	75.6	335	375	425	455
500	1	40.2	44.3	345	480	425	590
630	1	44.7	49.9	390	550	470	660
800	1	49.0	54.8	440	600	530	725
1000	1	53.8	59.9	490	720	590	870

**Confirming Standard:** BS 6346, IS 1554  
**Packing:** Wooden Drum  
**Insulation:** PVC  
**Conductor:** Aluminium / Copper (Armoured / Unarmoured)  
 \* Outer Dia is for Conduit & Trunk guidance only.

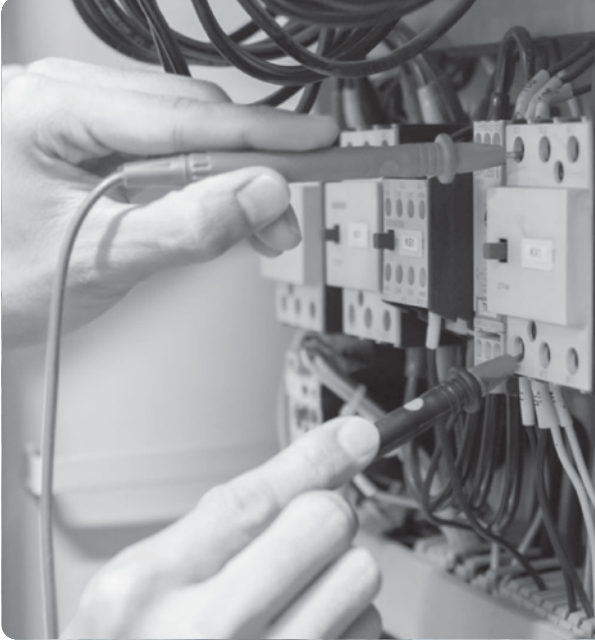
# XLPE Insulated PVC Sheathed Power Cables

SIZE	CORE	OUTER DIAMETER		CURRENT RATINGS			
		UNARMOURED	ARMOURED	ALUMINIUM		COPPER	
SQ. MM.	NUMBER	MM	MM	IN GROUND	IN AIR	IN GROUND	IN AIR
				AMPS	AMPS	AMPS	AMPS
1.5	1	6.4	9.4	22	19	26	23
	2	9.4	12.2	20	18	25	22
	3	9.8	12.3	18	15	21	17
	4	10.5	13.1	18	15	21	17
2.5	1	6.8	10.0	28	25	35	30
	2	10.2	15.5	26	22	32	27
	3	10.7	14.6	23	20	27	24
	4	11.5	14.6	23	20	27	24
4	1	7.2	10.8	36	31	47	42
	2	11.1	15.8	40	34	51	44
	3	11.6	16.2	34	31	43	36
	4	12.5	16.2	34	31	43	36
6	1	8.2	11.4	44	31	59	53
	2	13.4	17.0	50	39	63	56
	3	14.0	17.7	43	44	54	47
	4	15.3	16.8	43	50	54	47
10	1	9.1	12.4	59	53	78	72
	2	15.1	19.2	69	59	88	75
	3	15.9	18.9	57	67	72	62
	4	17.4	18.5	57	67	72	62
16	1	10.1	13.3	76	73	102	98
	2	16.2	21.2	88	74	113	98
	3	18.2	21.5	73	70	92	79
	4	19.0	20.8	73	70	92	79
25	1	11.8	15.3	96	98	132	132
	2	17.0	22.2	112	98	144	131
	3	20.0	23.0	94	96	119	108
	3.5	21.0	23.5	94	96	119	108
	4	22.0	24.5	94	96	119	108
35	1	12.9	16.2	114	121	156	156
	2	19.0	24.0	138	124	175	150
	3	21.5	25.4	113	117	144	132
	3.5	22.8	25.4	113	117	144	132
	4	23.5	27.1	113	117	144	132
50	1	14.6	18.0	135	150	186	198
	2	21.0	25.8	169	156	206	194
	3	24.5	28.6	133	142	174	162
	3.5	25.0	29.7	133	142	174	162
	4	27.9	31.5	133	142	174	162

SIZE	CORE	OUTER DIAMETER		CURRENT RATINGS			
		UNARMoured	ARMoured	ALUMINIUM		COPPER	
				IN GROUND	IN AIR	IN GROUND	IN AIR
SQ. MM.	NUMBER	MM	MM	AMPS	AMPS	AMPS	AMPS
70	1	16.6	18.9	166	187	228	246
	2	23.0	25.5	200	188	256	244
	3	29.0	30.0	164	179	210	198
	3.5	28.2	30.0	164	179	210	198
	4	30.5	33.8	64	79	210	198
95	1	18.3	21.3	198	230	264	294
	2	26.5	28.0	238	231	300	288
	3	32.5	33.5	196	221	252	240
	3.5	32.0	33.8	196	221	252	240
	4	33.5	37.6	196	221	252	240
120	1	20.2	23.2	225	268	300	336
	2	28.5	30.5	262	262	344	331
	3	34.5	35.5	223	257	288	276
	3.5	35.4	37.0	223	257	288	276
	4	37.5	40.5	223	257	288	276
150	1	22.5	25.1	253	309	336	384
	2	32.0	34.0	300	300	388	381
	3	38.5	40.5	249	292	324	318
	3.5	41.0	42.0	249	292	324	318
	4	42.2	43.5	249	292	324	318
185	1	24.7	27.3	286	360	366	444
	2	35.5	37.0	344	344	438	438
	3	43.5	44.5	282	337	360	366
	3.5	46.5	47.5	282	337	360	366
	4	48.0	49.2	282	337	360	366
240	1	27.4	30.3	332	433	414	510
	2	39.5	41.0	400	406	506	512
	3	48.5	49.0	326	399	414	426
	3.5	52.5	53.5	326	399	414	426
	4	54.0	55.8	326	399	414	426
300	1	30.1	33.8	376	501	450	570
	2	43.5	45.5	444	456	562	581
	3	51.5	33.0	367	455	462	480
	3.5	56.0	57.0	367	455	462	480
	4	58.0	59.5	367	455	462	480
400	1	34.1	37.6	431	596	480	660
	2	49.0	51.0	481	525	612	662
	3	59.5	59.8	420	530	510	546
	3.5	64.0	65.0	420	530	510	546
	4	66.5	68.0	420	530	510	546
500	1	38.1	42.4				
	1	42.2	47.4				
	1	46.7	52.7				
	1	52.1	58.0				

**Confirming Standard:** BS 6346, IS 1554  
**Packing:** Wooden Drum  
**Insulation:** PVC  
**Conductor:** Aluminium/ Copper (Armoured / Unarmoured)  
 \* Outer Dia is for Conduit & Trunk guidance only.

# CONTROL CABLES



## Application

Control cables are ideal to be used in the power distribution sector, with the flexibility and performance that offer excellent signaling in the control distribution unit.

Electrical systems with multiple functionalities

Systems that are providing monitor, control, regulation and measurement of technical devices and components

Automated systems

Systems that are installed with multiple inputs and outputs

Control cables are multi-conductors cables used in automation and instrumentation applications. Control cables can measure and regulate transmissions of automated processes. These are typically shielded with a foil shield, braid shield or combination of both.

# FEATURES OF CONTROL CABLES:

- ◆ Control cables have a copper conductor, which may or may not be enveloped in galvanized steel braid.
- ◆ These cables can be manufactured as per any applicable standard.
- ◆ These cables can be manufactured for Zero Halogen properties or high thermal stability PVC over sheathed.
- ◆ Litmus control cables offer various degrees of protection against electrical interference and resistance to caustic substances and oils.

## Construction

Conductor	Stranded / Solid / Circular / shaped as per IS:8130, IEC 60228, BS 6360
Material	Copper
Insulation	PVC /HR PVC / Zero Halogen
Inner sheath	PVC /HR PVC /FR/FRLS PVC / Zero Halogen as per IS 5831, IEC 60502, BS 7655.
Armour	G.S STEEL ROUND WIRE /G.S. STEEL FORMED WIRE (STRIP) / G.S. STEEL TAPE/ALUMINIUM ROUND WIRE / ALUMINIUM FORMED WIRE (STRIP)/ ALUMINIUM TAPE as per IS 3975, IEC 60502 P 1.
Outer sheath	PVC /HR PVC /FR/FRLS PVC / Zero Halogen as per IS 5831, IEC 60502, BS 7655.

Type	Size	Voltage Rating
PVC insulated cables conforming to IS:1554-I and Customer specific requirements	1.5 sqmm to 4 sqmm Single core to 24 cores	Upto 1.1 kV

SIZE	CORE	OUTER DIAMETER		MAX RESISTANCE AT 200°C	CURRENT RATINGS		
		UNARMoured	ARMoured		DIRECT IN GROUND	IN DUCT	LAI D IN AIR
SQ. MM.	NUMBER	MM	MM	AMPS	AMPS	AMPS	AMPS
1.5	2	11.7	13.6	12.1	23	20	20
	3	12.3	14.1	12.1	21	17	17
	4	13.1	14.9	12.1	21	17	17
	5	14.3	16.1	12.1	21	17	17
	6	15.3	17.1	12.1	15	13	13
	7	15.3	17.1	12.1	14	13	13
	10	18.6	20.8	12.1	13	11	11
	12	19.2	19.8	12.1	12	10	10
	14	20	21	12.1	11	10	10
	16	21	22	12.1	11	9	9
	19	22.4	23.2	12.1	10	9	9
	24	25.8	26.4	12.1	9	8	8
	27	26.2	26.9	12.1	9	8	8
	30	27.2	27.8	12.1	9	7	7
	37	29.1	29.7	12.1	8	7	7
	44	32.3	33.4	12.1	7	6	6
	52	34	35	12.1	7	6	6
61	36.3	36.9	12.1	6	6	6	
2.5	2	12.8	15	7.41	32	27	27
	3	13.7	15.5	7.41	27	24	24
	4	14.7	16.5	7.41	27	24	24
	5	16	18	7.41	27	24	24
	6	17	19	7.41	21	18	18
	7	17	19	7.41	20	17	17
	10	21.1	23.8	7.41	18	15	15
	12	20.3	22.8	7.41	17	14	14
	14	23.2	23.9	7.41	16	13	13
	16	24.4	25	7.41	15	12	12
	19	25.7	26.3	7.41	14	12	12
	24	29.7	30.3	7.41	13	11	11
	27	30.3	30.9	7.41	12	10	10
	30	31.3	32.3	7.41	12	10	10
	37	34.2	34.9	7.41	11	9	9
	44	38.2	38.9	7.41	10	9	9
	52	39.9	40.3	7.41	10	8	8
61	41.9	42.5	7.41	9	8	8	

**Confirming Standard:** BS 6346, IS 1554  
**Packing:** Wooden Drum  
**Insulation:** PVC  
**Conductor:** Aluminium/ Copper (Armoured / Unarmoured)  
 \* Outer Dia is for Conduit & Trunk guidance only.

# PRODUCT RANGE



# Contact Us

---

Corporate Office: Ramesh Tower, Tripureshwar Kathmandu, Nepal

Tel: +977-01-4117324/ 323/ 252/ 184

Email: [litmus@rameshcorp.com](mailto:litmus@rameshcorp.com) Web: [www.litmus.com.np](http://www.litmus.com.np)

Factory Office: Butwal Industrial Estate,

Butwal, Nepal | Tel: +977-71-540328



[www.litmus.com.np](http://www.litmus.com.np)