

VIR-JA EXIM INTERNATIONAL

SIMPLIFYING WORLD-WIDE TRADES



VIR-JA EXIM INTERNATIONAL

UNITED STATES

INDIA

VIRJAIMPEX@GMAIL.COM

WIRES & CABLES

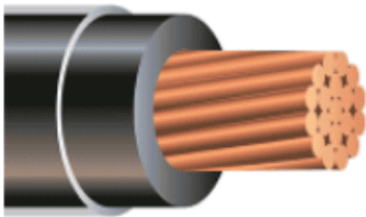
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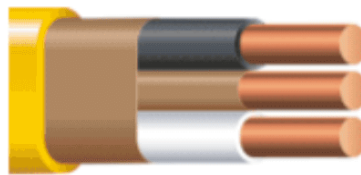
Flat Cable

Flexible Cable

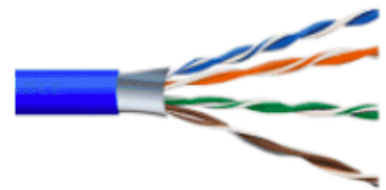
Armoured Cable



THHN Wire



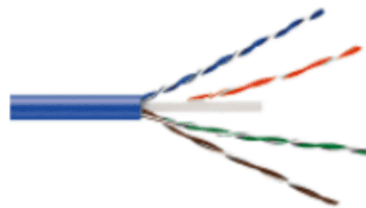
NM-B Wire



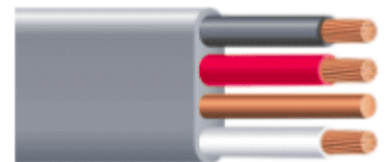
Cat5e Wire



Bare Copper Wire



Cat6 Wire



UF-B Wire



Nonmetallic-Sheathed Cable, 600 Volt, Copper Conductors, Color-Coded Jacket, Four Conductor Available With Two Neutrals.

APPLICATIONS

both exposed and concealed work in normally dry locations at temperatures not to exceed 90°C (with ampacity limited to that for 60°C conductors) as specified in the National Electrical Code. NM-B cable is primarily used in residential wiring as branch circuits for outlets, switches, and other loads. NM-B cable may be run in air voids of masonry block or tile walls where such walls are not wet or damp locations. Voltage rating for NM-B cable is 600 volts.

STANDARDS & REFERENCES

- Listed per UL Standard 719
- UL 83 (Conductor Construction)
- ASTM B-3 and B-8
- Federal Specification A-A-59544
- National Electrical Code, NFPA 70
- REACH/RoHS Compliant

CONSTRUCTION

NM-B cable is manufactured as 2, 3, or 4 conductor cable, with a bare ground wire. Copper conductors are annealed (soft) copper. Stranded conductors are compressed stranded. Conductor insulation is 90°C-rated polyvinyl chloride (PVC), nylon jacketed. ^bNM-B cable is designed for easier pulling, resulting in easier installation. The cable jacket is color-coded for quick size identification; White - 14 AWG, Yellow - 12 AWG, Orange - 10 AWG, and Black - 8 AWG and 6 AWG.



Conductor			Insulation Thickness (mils)	Ground Wire		Approx. Cable Dimension (mils)	Approx. Net Wt. Per 1000' (lbs.)	Allowable Ampacity +	Standard Package
Size (AWG or kcmil)	No. of conductors	No. of strands		Size (AWG)	No. of strands				
TWO CONDUCTOR									
14	2	1	19	14	1	368X162	57	15	BEF
12	2	1	19	12	1	418X179	82	20	BEF
10	2	1	24	10	1	494X210	124	30	ABE
8	2	7	35	10	1	618X272	186	40	ABCD
6	2	7	35	10	1	658X308	252	55	ABCD
THREE CONDUCTOR									
14	3	1	19	14	1	462X176	78	15	BEF
12	3	1	19	12	1	524X190	112	20	BEF
10	3	1	24	10	1	630X220	166	30	BCE
8	3	7	35	10	1	572	255	40	ABCD
6	3	7	35	10	1	659	360	55	ABCD
4	3	7	46	8	1	825	565	70	BCD
2	3	7	46	8	1	870	818	95	BCD
FOUR CONDUCTOR									
14	2/2	1*	19	14	1	336	91	15	BE
14	4	1**	19	14	1	336	91	15	BE
12	2/2	1*	19	12	1	381	132	20	BE
12	4	1**	19	12	1	381	132	20	BE
10	4	1	24	10	1	465	201	30	BE
+ Ampacities per National Electrical Code section 310.15 and 334.80. NOTE: Jacket thickness for all NM-B cable is 30 mils. * Color code for 2/2 conductor cable is Black, White, Red and White with Red stripe. ** Color code for 4 conductor cable is Black, White, Red and Blue.								PACKAGE CODE:	
								A-2,500'	
								B-1,000'	
								C-500'	
		D-125'							
		E-250'							
		F-500'							

RECOMMENDED SAMPLE SPECIFICATIONS:

Conductors shall be UL-listed Type NM-B, suitable for operation at 600 volts in all installations as specified in the National Electrical Code. SIMpull® jacketed conductors shall be annealed copper as manufactured by Southwire Company or approved equal.

Supply of Cables as per UL 83

1. Building wire : Single conductor Building wire

USA types : TW, THW, THW-2, THHW

Canadian types : TW, TWU, TW75, TWU75, THHW

2. Flat & Round Jacketed Cable, Twisted Cable for submersible pump :

Two, three and four conductor flat & round cables with any of the above insulated conductor

-The color of conductor will be as per below

-2 with ground : Red, Black, Green for grounding conductor

-3 with ground : Red, Yellow, Black, Green for grounding conductor

-Outer jacket color can be customized as per your requirement



ZLGR7.E328759

Thermoplastic-insulated Wire Certified for Canada

- Tough & flexible cable with excellent moisture, abrasion & weather resistance.
- Safe, Reliable and power saving.
- Excellent Wet Electrical Properties.
- 1 core , 3 core , 4 cores Flat & Round cables with PVC & Rubber Insulation & Jacket
- Available in SQ MM sizes (European style) 1 sq mm to 240 sq mm and AWG sizes (North American style) 14 AWG to 500 MCM.
- With sequential Meter / Foot marking.
- Various voltage rating for different markets: 450 / 750 V, 600 V, 650/1100 V, 600/1000 V, 3000 V.
- Conforming to International Standards IS 694, BS 6500, IEC 60227, DIN VDE 0281, VDE 0282, BS 6007, UL 83, SABS 1574, AS 3191, AS/NZS 5000.1.
- Available in wide temperature range: -50°C to 105°C.
- Available with ROHS PVC for drinking water pump.



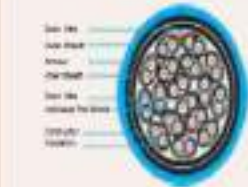
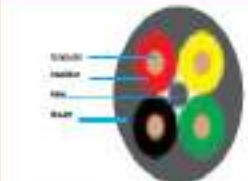
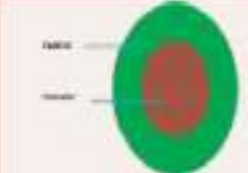
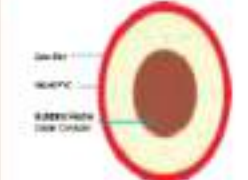
AWG Sizes (North American style)

PVC 2 & 3 Conductor With GroundPVC 2 & 3 Conductor Without GroundPVC 4

Wire Motor Lead CableRubber 4 Wire Motor Lead Cable

Cable range at a glance

Application	Type & Size	Options	Cross Sectional View
Cables for Power Supply to Residential, Commercial & Industrial units	PVC/XLPE Power cables for 0.6/1 upto 1.8/3 KV for Electrical Substations as per IEC:60502-1 Sizes: Single Core 10-1000 sq. mm Multicore 6-630 sq. mm	Conductor - Stranded / Solid, Circular / Shaped Aluminium / Copper Insulation - PVC / HR PVC / XLPE Inner Sheath - PVC / HR PVC / FRLS / PVC Unarmoured / Armoured - G.S. Round Wire/ Flat Strip or Aluminum Wire / Flat Strip Outer Sheath - PVC/HR PVC/ FRLS PVC	
Cables for Power Supply to Residential, Commercial & Industrial units	PVC/XLPE Power cables for 0.6/1 upto 1.8/3 KV for Electrical Substations as per IEC:60502-1 Sizes: Single Core 10-1000 sq. mm Multicore 6-630 sq. mm	Conductor - Stranded / Solid, Circular / Shaped Aluminium / Copper Insulation - PVC / HR PVC / XLPE Inner Sheath - PVC / HR PVC / FRLS / PVC Unarmoured / Armoured - G.S. Round Wire/ Flat Strip or Aluminum Wire / Flat Strip Outer Sheath - LSZH Compound	
Heavy Duty XLPE Power cables for Power Generation Distribution	XLPE Power cables for 8/10(12) upto 18/30 (36) KV for Electrical Substations as per IEC:60502-2 Sizes: Single Core 25-1000 sq. mm Multicore 25-400 sq. mm	Conductor - Circular - Aluminum/Copper Insulation - XLPE Innersheath - PVC / HR PVC / FRLS Unarmoured / Armoured - G.S Round Wire / Flat Strip or Aluminum Wire / Flat Strip Outersheath - PVC / HR PVC / FRLS	
Heavy Duty XLPE Power cables for Power Generation Distribution	XLPE Power cables for 8/10(12) upto 18/30 (36) KV for Electrical Substations as per IEC:60502-2 Sizes: Single Core 25-1000 sq. mm Multicore 25-400 sq. mm	Conductor - Circular - Aluminum/Copper Insulation - XLPE Innersheath - PVC / HR PVC / FRLS Unarmoured / Armoured - G.S Round Wire / Flat Strip or Aluminum Wire / Flat Strip Outer Sheath - LSZH Compound	
Aerial Bundled / Bundled required for over head power distribution	PE/XLPE insulated 0.6/1 KV to 18/30 KV as per IEC:60502 Part 1 & 2	Conductor - Stranded Circular compacted Aluminium Insulation - PE/XLPE Messenger conductor - All Aluminium Alloy-Bare/ Insulated Street Light Cond. - Stranded Circular Compacted Aluminium, Bare/Insulated	
Fire Survival Cables for fire hazardous/ prone areas	Annealed electrolytic copper conductor, heat barrier, XLPE, LSZH inner sheath G.S. wire and LSZH outer sheath as per BS 7846 testing as per IEC 331 & BS 6387	Conductor - Solid/Stranded, Plain/Tinned Heat Barrier - Mica Tape Insulation - XLPE Innersheath - LSZH Compound Armoured - G.S. Round Wire/ Flat Strip Outersheath - LSZH Compound	
Solar cable for Solar plant	Tinned copper XLPO insulated & LSZH sheathed 1000V AC/ 1800V DC as per TUV specifications 2PFG - 1169/06-2007	Conductor - Flexible tinned copper Insulation - Cross linked polyolefin compound Sheath - XLPO/ LSZH Compound	
Copper Control Cables for Power Switch yard Control / Relay Equipment	Annealed electrolytic copper conductor, PVC/XLPE insulated, PVC sheathed 0.6/1 KV grade as per IEC: 60502-1 Sizes : 1.5 / 2.5 sq. mm upto 61 core 4 & 6 Sq. mm upto 4 core	Conductor - Solid/Stranded, Plain/Tinned Insulation - PVC/HR PVC/XLPE Innersheath - PVC/HR PVC/FRLS/Zero Halogen Unarmoured / Armoured - G.S. Round Wire / Flat Strip Outersheath - PVC/HR PVC/FRLS/Zero Halogen Additional Option : Overall shielding with Aluminum mylar tape with 100% coverage & 25% overlap on laid up cores for static noise rejection.	
Copper Round Submersible Cable	Annealed electrolytic copper conductor, PVC insulated, PVC inner sheathed & Outer sheathed 1.1KV grade as per IS: 1554/IS-894 (In general) Sizes : 1.5 to 120 sq. mm	Conductor - Flexible Plain Copper Insulation - PVC Innersheath - PVC Outersheath - PVC	

Application	Type & Size	Options	Cross Sectional View
Flat cables for Submersible Pumps & Motors	Stranded Plain copper, PVC insulated & PVC sheathed of 1.1kV grade as per IS: 694 Sizes : 3 core - 1.5 to 50 sq. mm	Insulation - PVC Sheathing - PVC	
Instrumentation Signal Cables for Process control & Instrumentation	PVC Sheathed 225/500 V grade cables as per BS: 5308 / DIN VDE 0815 & 816 / IS: 1554 / IEC: 189 Sizes: 0.5/0.75/1.0/1.5 sq. mm	Conductor - Stranded / Solid, plain / tinned Insulation - PVC / HR PVC / PE / Zero Halogen Shielding - Individual Pair / over all pairs Drain wire - Solid Stranded Innersheath - PVC / HR PVC Zero Halogen Unarmoured/Armoured-G.S. Round Wire, Flat Strip Outersheath - PVC / HR PVC/ FRLS / Zero Halogen Compound	
Flexible & Cord Cables for appliances, Machine Tools & Equipment Wiring	Multistrand, flexible, bright annealed electrolytic copper conductor, PVC insulated and sheathed upto 300/500 V as per BS:6004 Sizes : Single, Two, Three or Four core upto 25 sq. mm	Insulation - PVC Unsheathed /Sheathed - PVC / FRLS	
Wiring Cables for electrical industry	Multistrand Flexible, upto 450/750V grade PVC Cables as per BS: 6004/IEC:60227 Sizes : Single core 1.0 - 630 sq. mm	Conductor - Bright Annealed Copper Insulation - PVC/ FRLS PVC / Zero Halogen	
Energy Cables for Power Supply to Telephone Exchanges / UPS / Battery Backup / Equipments	PVC Flexible Cables upto 450/750 V grade as per BS: 6004/IEC:60227 Sizes : 1.0 upto 240 sq. mm Single Core	Conductor - Stranded / annealed Copper Insulation - FR - Flame retardant PVC Insulated industrial cables with S3 features FR-LSH PVC Insulated industrial cables	
Energy Cables for Power Supply to Telephone Exchanges / UPS / Battery Backup / Equipments	Flexible Cables upto 450/750 V grade as per BS: 6004/IEC:60227 Sizes : 1.0 upto 240 sq. mm Single Core	Conductor - Stranded / annealed Copper Insulation-HFFR Insulated industrial cables	
Heat Resistant Panel Wire	Flexible Cables upto 450/750 V grade as per BS: 6231/IEC:60227 Sizes : 1.0 upto 240 sq. mm Single Core	Insulation - HR PVC - 105° C Insulated	
Fire Survival Fire Resistant Wire	Flexible Cables upto 450/750V generally to BS 7211 Sizes : 1.0 upto 240 sq. mm Single Core	Conductor - Stranded Flexible Copper Insulation - Glass mica tape & HFFR (Halogen free flame Retardant) Compound	



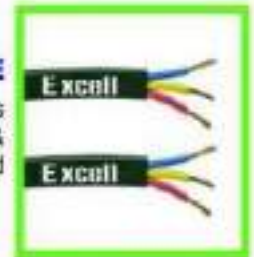
HOUSE WIRE

Single Core Multi-Stranded Copper Conductor, PVC Insulated Wires with excellent properties.

Energy Efficient Wires Range 0.50 sq.mm to 10sq.mm with different Insulation properties. We have carved niche in the industry by offering an exclusive array of House Wires. We use quality proven raw material and contemporary machinery in manufacturing our offered wires. The offered range is widely usable in domestic and commercial areas for meeting various applications. Our offered range has gained exceptional value in the market for its associated features. The entire range can be availed in various specifications at reasonable prices.

SUBMERSIBLE FLAT CABLE

Flat : 3 Core x 1.50 sq.mm to 35 sq.mm. Round : 3Core and 4 Core x 1.5 sq.mm to 35 sq.mm in Class 5 copper conductors with PVC Insulation and sheathing properties. These cables are PVC insulated & sheathed 3-Core Flat Cables that provide electrical connection to submersible pump motors, buried deep into the ground. Due to narrow space available in the deep wells these cables are flat in shape.



MULTICORE FLEXIBLE CABLE

We offer a wide range of Flexible Copper Conductor Multi Core Round Flexible Cables in different lengths and thicknesses and also as per the client's requirements. Known to have superior mechanical properties, these wires very well meet with all the requirement of the clients. Besides, the wires offered by us have excellent tensile strength and can easily resist high temperature and other adverse conditions.

ARMoured & UNARMoured CABLE -(copper/aluminium)

1100 Volts grade Power Copper /Aluminum Cables, Solid / Stranded conductor, PVC Insulated, cores, PVC/taped/extruded innersheath, Unarmoured / Armoured, extruded PVC sheathed cables from 1.5 sq.mm to 120 sq.mm and in 2/3/3.5/4core as per IS 1554.



ELEVATOR CABLE -(LIFT CABLE)

Elevator Cables that are flat elevator cables are widely used for elevator control. These cables are manufactured using special PVC compound with high flexibility and bouncing effects. Our cables are highly demanded in the market due to their tensile strength and long lasting performance. The Elevator cables can also be customized as per the customer's instruction.

PANEL CONTROL CABLE

We are offering Panel Wires that is known for its sturdy and heavy duty construction that ensures superior performance at clients' end. Providing wiring harness for making connections for the control panel, switch gear and generators, these are extensively used in varied industries. Further, we can also customize these wires as per the clients requirements.



DELIVERING POWER





XLPE Insulated Unarmoured Three Core Cable

(Copper/Al. Conductor, XLPE Insulated and PVC Sheathed)

Type of Cable	: N2XY/NA2XY
Rated Voltage	: 0.6/1 kV
Size Range	: 4 to 400 mm ²
Specification	: IEC-60502-1
Application	: For Electric Power Circuit
Identification of Core	: Red, Yellow & Blue
Type of Packing	: Wooden Drum
Other specification and colour are available on request	

Construction

Conductor	: Annealed Copper/Aluminium
Insulation	: XLPE
Inner Sheath	: Extruded PVC
Outer Sheath	: Extruded PVC

