

# WIRES



# SUN<sup>®</sup>

C A B L E S

— Evolving Together —

**NANOCAL<sup>®</sup>**  
Switching on Lives

# PVC Wires

## Reference / Governing Standards

Standard	Voltage Rating
IS 694:2010	1100 V
EN 50525 (H07V-K / H07V2-K)	450 / 750 V
EN 50525 (H05V-K / H05V2-K)	300 / 500 V

## Features

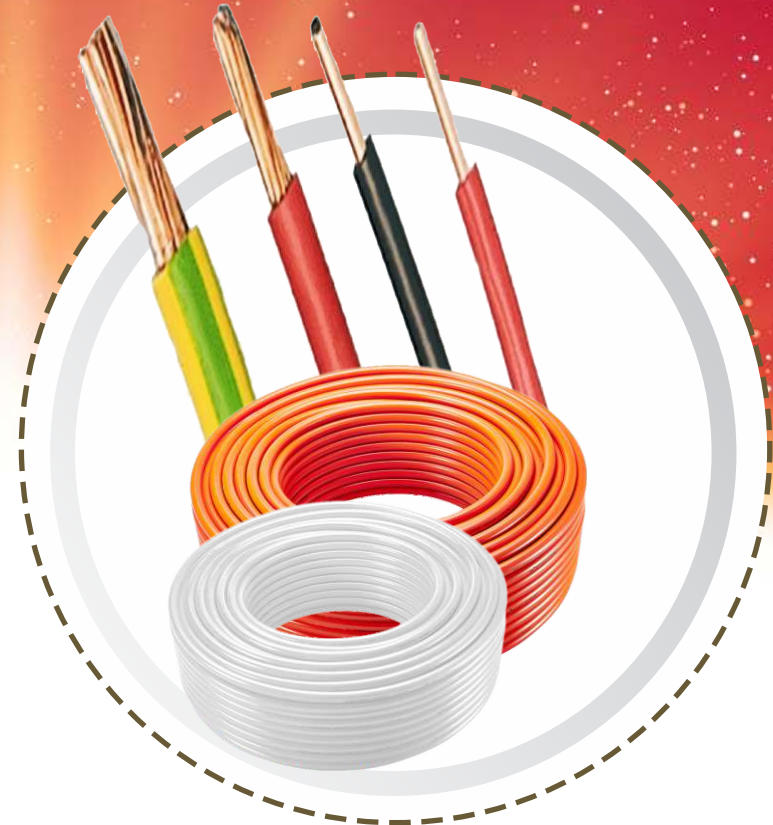
- ▶ High Insulation Resistance
- ▶ Smooth Surface
- ▶ Flame Retardant

## Applications

- ▶ General Wiring in Buildings, Plant & Machinery
- ▶ Indoor/ Outdoor Installations
- ▶ Conduit Installations

## Min. Bending Radius

8 Times of Cable Diameter



**Lead Free**



Variants	FR	FRLS -H	HR FR	HR FRLS -H
Temperature Rating	70°C	70°C	85°C	85°C
Flame Test	Good	Excellent	Good	Excellent
Smoke Test on burning	High	Low	High	Low
Corrosive gas generation on burning	High	Low	High	Low

IS : 9968-1



CML-8651081

Elastomer Insulated Cables

IS : 9968-2



CML-8835701

Elastomer Insulated Cables

IS : 1554-1



CML-3113634

PVC Insulated (Heavy Duty) Electric Cables

IS : 694



CML-3113432

PVC Insulated Cables /Cords with Rigid & Flexible Conductor

IS : 7098-1



CML-3113533

Crosslinked Polyethylene (XLPE) Insulated Thermoplastic Sheathed Cables

IS : 14494



CML-8660789

Elastomer Insulated Flexible Cables for Use in Mines

IS : 2465



CML-840012710

Cables for Motor Vehicles

IS : 9857



CML-8631378

Welding Cables

# Zero Halogen Wires

## Reference / Governing Standards

Standard	Voltage Rating
IS 17048:2010	1100 V
EN 50525 (H07Z1-U/R/K)	450 / 750 V
EN 50525 (H05Z1-U/R/K)	300 / 500 V

## Features

- ▶ Very High Insulation Resistance
- ▶ Smooth Surface
- ▶ Flame Retardant
- ▶ Non-Toxic and Environmental Friendly
- ▶ Generates Almost no Smoke on Burning
- ▶ No Generation of Toxic and Corrosive Gases on Burning



## Applications

- ▶ General Wiring in Buildings, Plant & Machinery
- ▶ Excellent Option for Indoor Installations
- ▶ Conduit Installations
- ▶ Installation in Metro/ Railways

### Temperature Ratings

Upto 70°C

### Min. Bending Radius

8 Times Cable Diameter

**Lead Free**



**Halogen Free**

**Non Toxic**

Variants	FR	FRLS-H	HR FR	HR FRLS -H
Temperature Rating	70°C	70°C	85°C	85°C
Flame Test	Good	Excellent	Good	Excellent
Smoke Test on burning	High	Low	High	Low
Corrosive gas generation on burning	High	Low	High	Low

IS : 9968-1



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CML-8400127710

Cables for Motor Vehicles

IS : 9857



CML-8631378

Welding Cables

# Nylon Coated Wires

## Reference / Governing Standards

Standard	Voltage Rating
IS 694:2010	1100 V
EN 50525 (H07V-K / H07V2-K)	450 / 750 V

## Features

- ▶ Highly Abrasion Resistant
- ▶ For upto 90°C in Dry and 75°C in Wet Conditions
- ▶ Smooth and Glossy Finish
- ▶ Good Chemical Resistance

High Rise Buildings

## Applications

Suitable for Conduit Installations



## Temperature Ratings

Upto 90°C

## Min. Bending Radius

8 To 12 Times of Cable Diameter

**Lead Free**



IS : 9968-1



CML-8651081

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IS : 9968-2



CML-8835701

Elastomer Insulated Cables

IS : 1554-1



CML-3113634

PVC Insulated (Heavy Duty) Electric Cables

IS : 694



CML-3113432

PVC Insulated Cables /Cords with Rigid & Flexible Conductor

IS : 7098-1



CML-3113533

Crosslinked Polyethylene (XLPE) Insulated Thermoplastic Sheathed Cables

IS : 14494



CML-8660789

Elastomer Insulated Flexible Cables for Use in Mines

IS : 2465



CML-840012710

Cables for Motor Vehicles

IS : 9857



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Welding Cables

# Uninyvin Cables

### Temperature Ratings

Upto 105°C

### Min. Bending Radius

3 To 6 Times of Cable Diameter



### Reference / Governing Standards

Standard	Voltage Rating
IS 694:2010	1100 V
EN 50525 (H07V-K / H07V2-K)	450 / 750 V

### Features

- ▶ High Temperature Rating
- ▶ Great Abrasion Resistance
- ▶ Good Chemical/Fuel/Oil/Alkali Resistance
- ▶ Light Weight Compared to Typical PVC Cables
- ▶ Good Moisture Resistance

### Applications

- ▶ Battery Banks/UPS Wiring
- ▶ Wiring of Panels

### Variants -

- ▶ More Flexible Variants
- ▶ Can Be Made for upto 1100 V
- ▶ Can Be Made in Custom Sizes
- ▶ Can Be Made in Bare Copper Conductor Also

**Lead Free**



Cert No. EU4093



IS : 9968-1



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IS : 9857



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Welding Cables

# Flexible Range High Temperature Wires

**Min. Bending Radius**  
4-6 Times of Cable Diameter

## Reference / Governing Standards

Standard	Voltage Rating
IS 9968	1100 V
EN 50525	450 / 750 V

## Features

- ▶ High Insulation Resistance
- ▶ High Temperature Rating
- ▶ High Flexibility
- ▶ Improved Resistance To Heat, Oxygen & Fire
- ▶ Better Resistance to Chemicals & Solvents
- ▶ High Protection Against Current Leakage



## Applications

- ▶ General Wiring in Areas with Extreme Conditions
- ▶ Indoor/Outdoor Installations
- ▶ Furnaces, Kilns and High Temperature Zones
- ▶ Household Appliances
- ▶ Lighting and Luminaries

Variants		Elastomeric	Silicone Rubber
	Temperature Rating	Upto 90°C	Upto 180°C
	Flame Test	Good	Excellent
	Smoke Test on burning	Low	Low
	Corrosive gas generation on burning	Low	Low



IS : 9968-1



CML-8651081

Elastomer Insulated Cables

IS : 9968-2



CML-8835701

Elastomer Insulated Cables

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CML-8400127710

Cables for Motor Vehicles

IS : 9857



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Welding Cables

# High Temperature Wires



## Fixed Installation Range

### Min. Bending Radius

6-8 Times of Cable Diameter

### Features

- ▶ Extremely High Insulation Resistance
- ▶ Very High Temperature Rating
- ▶ Excellent Resistance to Heat, Oxygen and Fire
- ▶ Excellent Resistance to Chemicals, Acids and Solvents
- ▶ Very High Protection Against Current Leakage
- ▶ Extremely High Weather Resistance
- ▶ Very Long Life

### Reference / Governing Standards

Standard	Voltage Rating
JSS 51034 / JSS 51038	1000 V
JSS 51034 / JSS 51038	600 V
JSS 51034 / JSS 51038	250 v



### Applications

- ▶ General Wiring in Areas with Extreme Conditions
- ▶ Indoor/Outdoor Installations
- ▶ Furnaces, Kilns and High Temperature Zones
- ▶ Household Appliances
- ▶ Lighting and Luminaries
- ▶ Electronic Component Manufacturing

Variants	FEP	PTFE
Temperature Rating	Upto 200°C	Upto 260°C
Flame Test	Excellent	Excellent

IS : 9968-1



CML-8651081

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IS : 9968-2



CML-8835701

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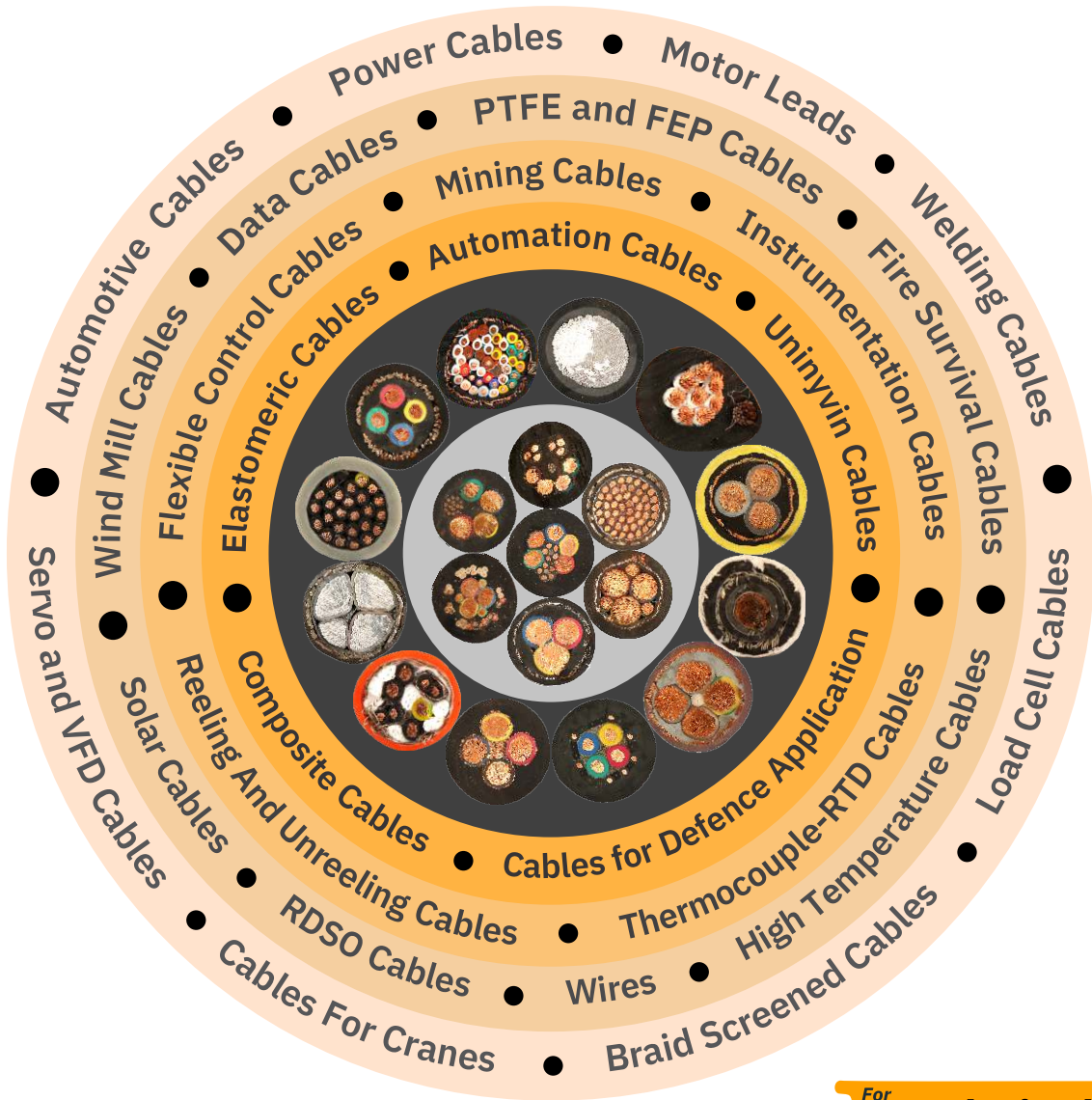
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