




# NEXT-GEN WIRING SOLUTIONS



## About Us

 **GREENS** Wires are engineered to deliver superior safety, efficiency and durability. These Wires have outstanding conductivity, ensuring minimal energy loss and maximum power output. These wires are eco-friendly, flame-retardant (FR) insulation that resists heat and safeguards against fire hazards. Suitable for residential, commercial and industrial applications. Our Wires comes in variants like ZHFR, Triple Layer, FRLS-H and FR, to fulfill all electrical needs.

 **GREENS** wires is a trusted product by more then 7,000 Electricians - **Save Electricity, Safe Electricity.**

For more details visit at [www.9greens.com](http://www.9greens.com)



# ZHFR WIRE

## Zero Halogen Flame Retardant

### ● Applications

These wires are best suited for wiring in hospitals, hotels, commercial space and high rise buildings, helping save lives and protect property during fire emergency.

### ● Technical Data

**Approval :-** IS 3961 (PART V) - 1968

**Voltage Grade :-** Single core unsheathed cables in voltage grade up to 1100 volts

**Conductor :-** Plain Annealed Electrolytic Grade Copper

**Insulation :-** ZHFR (Zero Halogen Flame Retardant) Compound

**Colour :-** Available in Red, Yellow, Blue, Black, Green.

**Packing :-** 90 Mtr Coils packed in protective cartons.



Length  
90 Mtr

### ● Properties of ZHFR

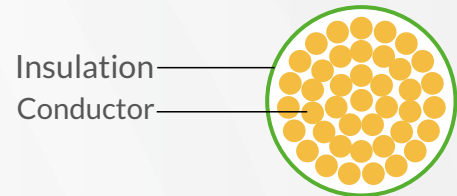
**Zero Halogen :-** Emits no harmful halogen gases when burned.

**Flame Retardant :-** High fire resistance for extra protection.

**Low Smoke :-** Ensures better visibility and breathing during fire emergencies.

**Heat & Oil Resistant :-** Durable and long-lasting even under extreme conditions.

**Flexible and Easy to install :-** Makes electrical installation smooth and fast.



### ● Cable Design Parameters

**9Greens Single core, unsheathed Cables in voltage grade up to 1100 volts**

Nominal Area of Conductor Sq. mm	Number/Dia of Wire mm	Thickness of insulation mm	Approx overall Diameter mm	Current Carrying Capacity	Resistance (Max) per KM @20°C Ohms.
				Amps.	
1.0 mm	14/3	0.7	2.7	13	18.1
1.5 mm	22/3	0.7	3.1	16	12.1
2.5 mm	36/3	0.8	3.7	22	7.41
4.0 mm	56/3	0.8	4.1	29	4.95
6.0 mm	84/3	0.8	4.7	37	3.30

# TRIPLE LAYER

## Flame Retardant

### ● Applications

Triple layer wires are used in high-safety environments like homes, industries, data centers, hospitals and commercial buildings. Extra Layer of LDPE insulation provides enhanced durability, heat resistance and protection against electrical faults.

### ● Technical Data

**Approval :-** IS 694-2010

**Voltage Grade :-** Single core unsheathed cables in voltage grade up to 1100 volts

**Conductor :-** Plain Annealed Electrolytic Grade Copper

**Insulation :-** LDPE (Low-Density Poly Ethylene)  
FR PVC (Fire Retardant Poly Vinyl Chloride)

**Colour :-** Available in Red, Yellow, Blue, Black, Green.

**Packing :-** 90 Mtr Coils packed in protective cartons.

### ● Properties of LDPE

#### Chemical Resistance

It offers good resistance to acids, alcohols, and bases, making it suitable for various chemical-related applications.

#### Moisture Resistance

LDPE is an excellent barrier to moisture, making it ideal for packaging and storage applications.

#### Flexibility and Low Crystallinity

LDPE's branched molecular structure results in low crystallinity, making it highly flexible and easy to mold.

#### Toughness

LDPE is a tough Material, meaning it can stand with impacts of resist Punctures

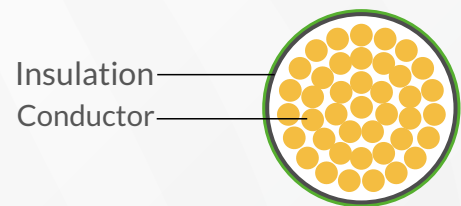
### ● Cable Design Parameters

9Greens Single core, unsheathed Cables in voltage grade up to 1100 volts

Nominal area of conductor	Number/dia of wire	Thickness of Insulation	Current Carrying capacity # 2 Cables, Single Phase		Un-enclosed clipped directly to surface on cable tray	Resistance (max) per Km @ 200C
			Approx. Overall Diameter	In Conduit Trunking		
SQ.mm	mm	mm	mm	Amps.	Amps.	Amps.
0.75	10/.3	0.6	2.3	6	7	26.0
1.0	22/.3	0.7	2.6	11	12	18.10
1.5	36/.3	0.7	2.9	13	16	12.10
2.5	56/.3	0.8	3.6	18	22	7.41
4.0	84/.3	0.8	4.0	24	29	4.95
6.0		0.8	4.7	31	37	3.30



Length  
90 Mtr



# FRLS-H WIRE

Fire Retardant  
Low Smoke & Halogen

## ● Applications

These wires are commonly used in environments where fire safety is a priority, such as commercial buildings, hospitals, educational institutions and high-rise residential complexes.

## ● Technical Data

Approval :- IS 694-2010

Voltage Grade :- Single core unsheathed cables in voltage grade up to 1100 volts

Conductor :- Plain Annealed Electrolytic Grade Copper

Insulation :- FRLS-H (Fire Retardant Low Smoke & Halogen)

Colour :- Available in Red, Yellow, Blue, Black, Green.

Packing :- 90 Mtr Coils packed in protective cartons.



## ● Properties of FRLS-H & Halogen

### Flame Retardancy

FRLS-H wires are designed to resist the spread of fire, preventing or significantly slowing down the progression of a fire.

### Low Smoke Emission

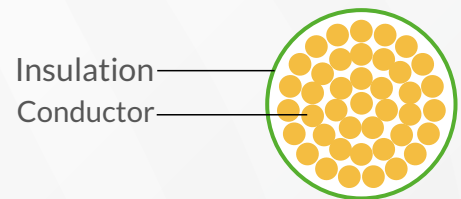
When subjected to fire, FRLS-H wires produce minimal smoke, improving visibility and allowing for safer evacuation and rescue efforts.

### High Temperature Index

They also have a high temperature index indicating their ability to withstand high temperatures without melting or degrading.

### Good Insulation Performance

FRLS-H wires maintain their insulating properties even under fire conditions, preventing short circuits and electrical hazards.



## ● Cable Design Parameters

9Greens Single core, unsheathed Cables in voltage grade up to 1100 volts

Nominal Area of Conductor Sq. mm	Number Dia of Wire mm	Thickness of Insulation (Norm.) mm	Approx Overall Diameter mm	Current Carrying Capacity # 2 Cables, Single Phase		Resistance (max.) per km @ 20°C. Ohms.
				In Conduit Trunking Amps.	Un-enclosed Clipped Directly to a Surface or on Cable Tray Amps.	
0.75	24/.2	0.6	2.3	6	7	26.0
1.0	14/.3	0.7	2.8	11	12	18.10
1.5	22/.3	0.7	3.1	13	16	12.10
2.5	36/.3	0.8	3.8	18	22	7.41
4.0	56/.3	0.8	4.4	24	29	4.95
6.0	84/.3	0.8	4.9	31	37	3.30

# SUPER-FR

## Super Fire Retardant

### ● Applications

These wire mainly use is residential and commercial buildings, schools, theaters, hospitals and transportation systems. They are also used in emergency systems, such as fire alarms, emergency lighting.

### ● Technical Data

**Approval :-** IS 694-2010

**Voltage Grade :-** Single core unsheathed cables in voltage grade up to 1100 volts.

**Conductor :-** Plain Annealed Electrolytic Grade Copper.

**Insulation :-** Standard PVC compounds that include flame-retardant additives.

**Colour :-** Available in Red, Yellow, Blue, Black, Green.

**Packing :-** 90 Mtr Coils packed in protective cartons.



**Length  
90 Mtr**

### ● Properties of Super FR Wire

#### Flame Retardant

They are designed to prevent or slow down the spread of fire.

#### Self-Extinguishing

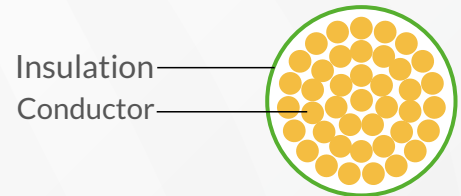
FR wires possess self-extinguishing properties. If they do catch fire, they will stop burning once the source of the flame is removed.

#### Moisture resistant

Excellent resistance to moisture. Excellent flame retardant properties. Anti-Termite. Anti-Rodent. E.C grade copper used ensuring better conductivity

#### Improved Fire Performance

FR wires meet stringent fire safety standards. this wires is designed to provide added protection against electrical shocks, short circuits and fires.



**90 Mtr  
Pouch Pktr  
Also Available**

### ● Cable Design Parameters

9Greens Single core, unsheathed Cables in voltage grade up to 1100 volts

Nominal Area of Conductor Sq. mm	Number/Dia of Wire mm	Thickness of Insulation mm	Approx. Overall Diameter mm	Current Carrying Capacity # 2 Cables, Single Phase		Resistance (max.) per km @ 20°C Ohms.
				In Conduit Trunking Amps.	Un-enclosed Clipped Directly to a Surface or on Cable Tray Amps.	
0.75	24/.2	0.6	2.3	6	7	26.00
1.0	14/.3	0.7	2.8	11	12	18.10
1.5	22/.3	0.7	3.1	13	16	12.10
2.5	36/.3	0.8	3.8	18	22	7.41
4.0	56/.3	0.8	4.4	24	29	4.95
6.0	84/.3	0.8	4.9	31	37	3.30

# CUT LENGTH WIRE

## ● Applications

This wire is specifically cut to a precise length based on customer specifications, rather than being sold in standard pre-cut lengths. mainly use in Switchboards, appliances, lights & other electronics gadgets

## ● Technical Data

**Approval :-** IS 694-2010

**Voltage Grade :-** Single core unsheathed cables in voltage grade up to 1100 volts.

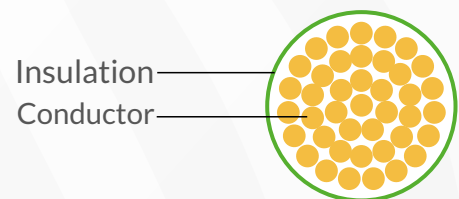
**Conductor :-** Plain Annealed Electrolytic Grade Copper.

**Insulation :-** Standard PVC compounds that include flame-retardant additives.

**Colour :-** Available in Red, Yellow, Blue, Black, Green.

## ● Packing Size Available In :-

1 mm	10 mtr	15 mtr	20 mtr	25 mtr
1.5 mm	10 mtr	15 mtr	20 mtr	25 mtr
2.5 mm	10 mtr	15 mtr	20 mtr	25 mtr



## ● Properties of Cut Length Wire

### Customizable Length

Available in small and medium lengths as per installation requirements (10m, 15m, 20m, 25m).

### Time-Saving & Zero Wastage

Eliminates extra cutting on-site, reducing wire wastage and labor time.

### Perfect for Small Jobs

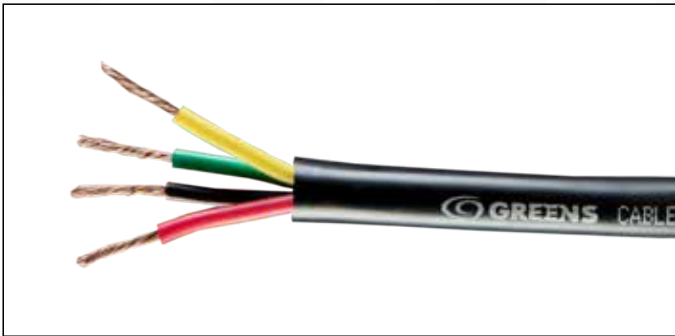
Ideal for household repairs, temporary setups, or minor wiring needs.

### Improved Fire Performance

Cut Length wires are best for stringent fire safety standards.

### Application Use

Best for low-scale electrical work without needing a full 90m roll



## MULTI CORE CABLES

2 core | 3 core | 4 core

### Properties

- **Flexible & Easy to Handle:** Quick and clean installations.
- **Durable Outer Sheath:** Protects against cuts, moisture.
- **Fire-Resistant Jacket (Optional):** Extra safety for indoor use.
- **Most Use :** Available in different Size for home Applications like TV, Washing Machine etc.

Lenth  
100 Mtr

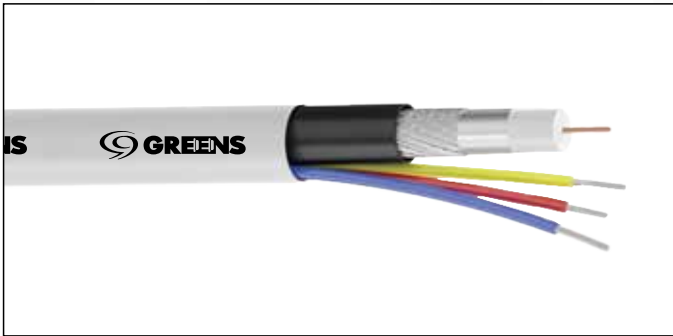
## FLAT SUBMERSIBLE CABLE



### Properties

- **Water-Resistant Construction:** Perfect for wet and submerged environments.
- **High Conductivity Copper:** Delivers efficient power to deep-set pumps.
- **Heat & Flame Resistant Sheath:** With stands harsh underground conditions.
- **Tough PVC Insulation:** Protects from chemicals, oil and abrasion.
- **Long Life & Durability:** Engineered for deep well usage.

Lenth  
500 Mtr



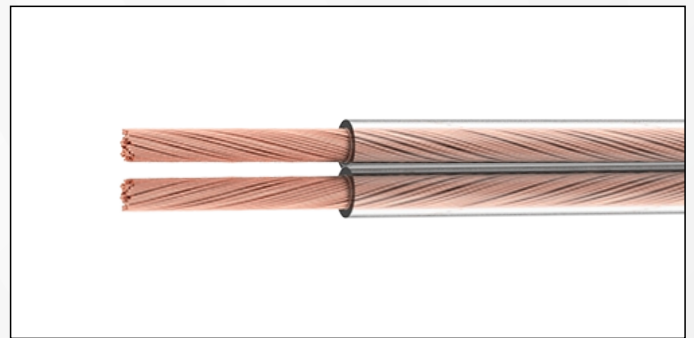
## CCTV CABLES

### Properties

- **High-Quality Video Transmission:** Ensures clear and stable CCTV footage.
- **Power + Video in One Cable:** Dual function cable for easy setup.
- **Pure Copper Conductor:** Strong signal strength and low loss.
- **Multi-Layer Shielding:** Protects against signal interference and noise.
- **Weather-Resistant Jacket:** Safe for both indoor and outdoor use.
- **Easy to Install:** Flexible, durable and supports long-distance wiring.

**Lenth**  
180 Mtr

## SPEAKER WIRE



### Properties

- **Clear Sound Quality:** Transmits audio signals without distortion.
- **High Conductivity Copper:** Ensures low resistance and better sound.
- **Flexible & Easy to Handle:** Quick and clean installations.
- **Durable Outer Sheath:** Protects against cuts and moisture.

**Lenth**  
90 Mtr



**RG-6**

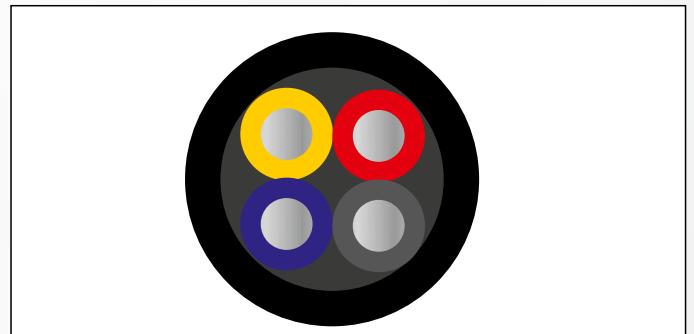
## Properties

- **High-Frequency Signal Transmission:** Perfect for DTH cable TV and broadband.
- **Double Shielding (Foil + Braid):** Protects against EMI and signal loss.
- **CCS Conductor:** Ensures strong and stable signals.
- **Durable Outer Jacket:** Resists moisture and heat.
- **Easy to Install:** Ideal for indoor and outdoor use.
- **Long Distance use:** Maintains signal quality over longer distances.

**Lenth**  
305 Mtr

## UNARMoured CABLES

*4 core*



## Properties

- **High Conductivity:** Made with quality Aluminium for efficient power flow.
- **Flexible Design:** Easy to bend and install in tight spaces.
- **Ideal for :** Pole to house Supply Wire.
- **Insulated Sheath:** Protects against electric shock and short circuits.
- **Cost-Effective Solution:** Economical for low-risk areas.

**Lenth**  
300 Mtr



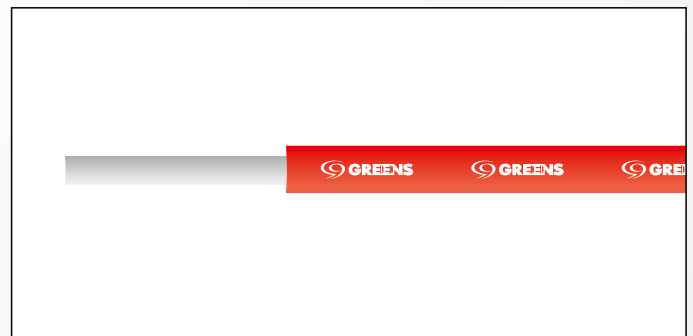
## TWIN FLAT ALUMINIUM CABLE

### Properties

- **Aluminium Conductor:** Light weight and cost-effective for power supply.
- **Twin Flat Shape:** Easy to install, neat in panel and surface wiring.
- **Good Conductivity:** Suitable for Single Phase light power loads in domestic use.
- **PVC Insulation:** Protects from heat and moisture.
- **Flame Retardant Option Available:** Safer during electrical faults.

**Lenth**  
90 Mtr  
450 Mtr

## SINGLE CORE ALUMINIUM CABLE



### Properties

- **Aluminium Conductor:** Lightweight and cost-effective power transfer.
- **Single Core Structure:** Simple and easy for controlled wiring systems.
- **Flexible & Easy to Install:** Ideal for small spaces and tight bends.
- **Flame Retardant PVC Insulation:** Provides safety against heat and fire.
- **Resistant to Moisture & Chemicals:** Long-lasting in clean environments.

**Lenth**  
270 Mtr  
450 Mtr



## PVC TAPE



### Available Colours

Red, Yellow, Blue,  
Black, Greens, White





**EXPRESS TRADECOM** Private Limited

An ISO 9001:2015 Certified Company

**Address :- GST Tower, Electrical Market, Opp. Agrasen Bhawan,  
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