

**LIVE
POWER
FOR
LIFE**



PERFECT INSULATION

EXCELLENT FLEXIBILITY

BEST CONDUCTIVITY

ENSURED ACCURACY

FINE PURITY

CONSISTENT QUALITY



Enamelled Copper
Rectangular Wires (Strips)

Enamelled Round Copper Wires

Glass Fibre Covered Copper Wires & Strips

Paper Covered Copper Wires & Strips

Nomex Paper Covered Copper Wires & Strips

Mica Covered Copper Wires & Strips

Bare Copper Wires & Strips

RDSO Approved

UL Approved



ENAMELLED RECTANGULAR COPPER WIRES (STRIPS)



Specification

Polyester Enamelled
Rectangular Copper Wire
Class 155

IS 13730 /
IEC 60317
Part-16 : 1996

Size Range :

Cross Sectional area
3 to 75 Sqmm
Width 3 to 20 mm
Thick 1 to 5 mm

Polyesterimide Enamelled
Rectangular Copper Wire
Class 180

IS 13730 /
IEC 60317
Part-28 : 1996

Cross Sectional area
3 to 75 Sqmm
Width 3 to 20mm
Thick 1 to 6 mm

Polyesterimide overcoated with
polyamide-imide enamelled
Rectangular Copper Wire
Class 200

IS 13730 /
IEC 60317
Part-29 : 1996

Cross Sectional area
3 to 75 Sqmm
Width 3 to 15mm
Thick 1 to 5 mm

Polyvinyl acetal enamelled
Rectangular Copper Wire
Class 105

IS 13730 /
IEC 60317
Part-17 : 1996

Cross Sectional area
3 to 45 Sqmm
Width 3 to 10 mm
Thick 1 to 4 mm



Packaging :

Std Pack

14"
16"
18"
20"

Qty in Kg

35.00
60.00
90.00
115.00

* Also Available as per Specific Requirement

Application :

- ❖ Traction Motors
- ❖ Alternators
- ❖ High Voltage Motors / Generators



**PERFECT
INSULATION**



Specification

Size Range :

| | | |
|---|---|---|
| Polyesterimide overcoated with polyamide-imide enamelled Round Copper Wire, class 200 | IS 13730 / IEC 60317 Part-13 : 1993 | 8 swg to 38 swg 4.00 mm to 0.150 mm |
| Polyesterimide Enamelled Round Copper Wire, class 180 | IS 13730 / IEC 60317 Part-8 : 1996 | 8 swg to 38 swg 4.00 mm to 0.150 mm |
| Modified Polyester Enamelled Round Copper Wire, class 155 | IS 13730 / IEC 60317 Part-3 : 1996 | 8 swg to 38 swg 4.00 mm to 0.150 mm |
| Polyester Enamelled Round Copper Wire, class 130 | IS 13730 / IEC 60317 Part-34 : 2000 | 8 swg to 38 swg 4.00 mm to 0.150 mm |
| Self Solderable Polyurethane Enamelled round copper Wire, class 155 | IS 13730 / IEC 60317 Part-20 : 1993 | 14 swg to 38 swg 2.00 mm to 0.150 mm |
| Solderable Polyurethane Enamelled round copper wire, class 180 | IS 13730 / IEC 60317 Part-51 | 21 swg to 40 swg 0.80 mm to 0.120 mm |
| Polyvinyl Acetal Thermal class 105 | IS 13730 / IEC 60317 Part-1 : 1993 | 8 swg to 25 swg 4.00 mm to 0.50 mm |



Packaging :

Standard Reel Qty in Kg

| | | | | | |
|-------|-------|-------|-------|-----|--------|
| PT 4 | 4 Kg | K 200 | 9 Kg | 14" | 35 Kg |
| PT 10 | 10 Kg | K 250 | 18 Kg | 16" | 60 Kg |
| PT 45 | 40 Kg | 8" | 10 Kg | 18" | 90 Kg |
| PT 90 | 80 Kg | 10" | 20 Kg | 20" | 115 Kg |

* Also Available as per Specific Requirement

Application :

Dry Type Transformer, AC / DC Motors, Alternators, Relay Coils, Domestic Appliances Refrigerators, Fans, Lighting Fixtures, Other Types of Electrical & Electronic Equipments



GLASS FIBRE COVERED COPPER WIRES & STRIPS



Specification

Glass-fibre Wound, Polyester or Polyesterimide Varnish treated Bare or Enamelled Rectangular Copper Wire, Temp. index 180

IS 13730 /
IEC 60317
Part-31 : 1997

Size Range :

Cross Sectional area
3 to 75 Sqmm
Width 3 to 20 mm
Thick 1.0 to 6.0 mm

Glass-fibre Wound, Polyester or Polyesterimide Varnish treated Bare or Enamelled Rectangular Copper Wire, Temp. index 155

IS 13730 /
IEC 60317
Part-32 : 1997

Cross Sectional area
3 to 75 Sqmm
Width 3 to 20 mm
Thick 1.0 to 6.0 mm

Glass-fibre Wound, Silicone Varnish treated Bare or Enamelled Rectangular Copper Wire, Temp. index 200

IS 13730 /
IEC 60317
Part-33 : 1997

Cross Sectional area
3 to 55 Sqmm
Width 3 to 11 mm
Thick 1.0 to 5 mm

Specification for Varnish Bonded Glass-Fibre Braided Rectangular Copper Conductor

IS 6181
: 1971

Cross Sectional area
4.5 to 15 sqmm
Width 3 to 6 mm
Thick 1.5 to 2.5 mm

Varnish bonded glass fibre covered Round copper conductor

IS 4685 Part 1
: 1968

Conductor Size
2 mm to 4 mm

Enamelled and Varnish bonded glass fibre covered round copper conductor

IS 11184
: 1984

Conductor Size
2 mm to 4 mm

Packaging :

Std Pack

| Std Pack | Qty in Kg |
|----------|-----------|
| 14" | 35.00 |
| 16" | 60.00 |
| 18" | 90.00 |
| 20" | 115.00 |

* Also Available as per Specific Requirement

Application :

- ❖ Alternators
- ❖ Traction Motors
- ❖ Special Transformers
- ❖ High-voltage Motors

Glass Fibre Covered Conductors (Bare or Enamelled) are applicable for required high mechanical and thermal stability.



**EXCELLENT
FLEXIBILITY**

Specification

Paper Covered Round
Copper Conductor

IS 7404 /
Part 1 : 1991

Size Range :

Conductor Diameter
2.00 mm to 5.00 mm

Paper Covered Rectangular
Copper Wire

IS 13730
IEC 60317
Part-27 : 1996

Cross Sectional area
4 to 75 Sqmm
Width 4 to 20 mm
Thick 1.0 to 5.0 mm

Aromatic polyamide
(Nomex) Paper Covered
Rectangular Copper
Wires Temp. index 200

IS 11174 : 1984

Cross Sectional area
5 to 52 Sqmm
Width 4 to 13mm
Thick 2.0 to 4.0 mm

Mica covered
Rectangular copper wire

As per customers
specifications



Packaging :

Std Pack

Qty in Kg

| | |
|-----|--------|
| 14" | 35.00 |
| 16" | 60.00 |
| 18" | 90.00 |
| 20" | 115.00 |

* Also Available as per Specific Requirement

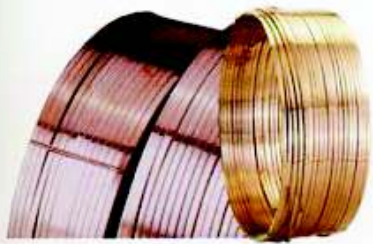
Application :

- ❖ Heavy Electric Equipments
- ❖ Special Transformers
- ❖ Dry Type Transformers
- ❖ Power Stabilizers

Application : Nomex, Mica covered conductors are more effective in condition where temperature resistance and dielectric strength requirements are allowed such as dry type transformers, military and aerospace cables.



BARE COPPER WIRES & STRIPS



Specification

Bare Copper wires for general engineering purposes

IS 4412
Hard or Annealed

Bare copper Strip for electrical purposes

IS 1897 /
IS 6160

Size Range :

Conductor Size
0.5 mm to 6.00 mm

Cross Sectional area
4 to 75 Sqmm
Width 4 to 15 mm
Thickness 1 to 5 mm

Packaging :

Std Pack

Wires - 10 kg to 50 kg Bundle form
Strips - 50 kg to 100 kg Bundle/spool

* Also Available as per Specific Requirement

Application :

Bare Copper Wires
Hard or Annealed

Cable, Paper & Glass Fibre Covered Insulation & Other types of Electrical & Electronic Equipments

Bare Copper Strips
Hard or Annealed

For Switchgears, paper and Fibre Glass, Insulation & Electrical control panel, other type of Electrical & Electronic equipment.



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