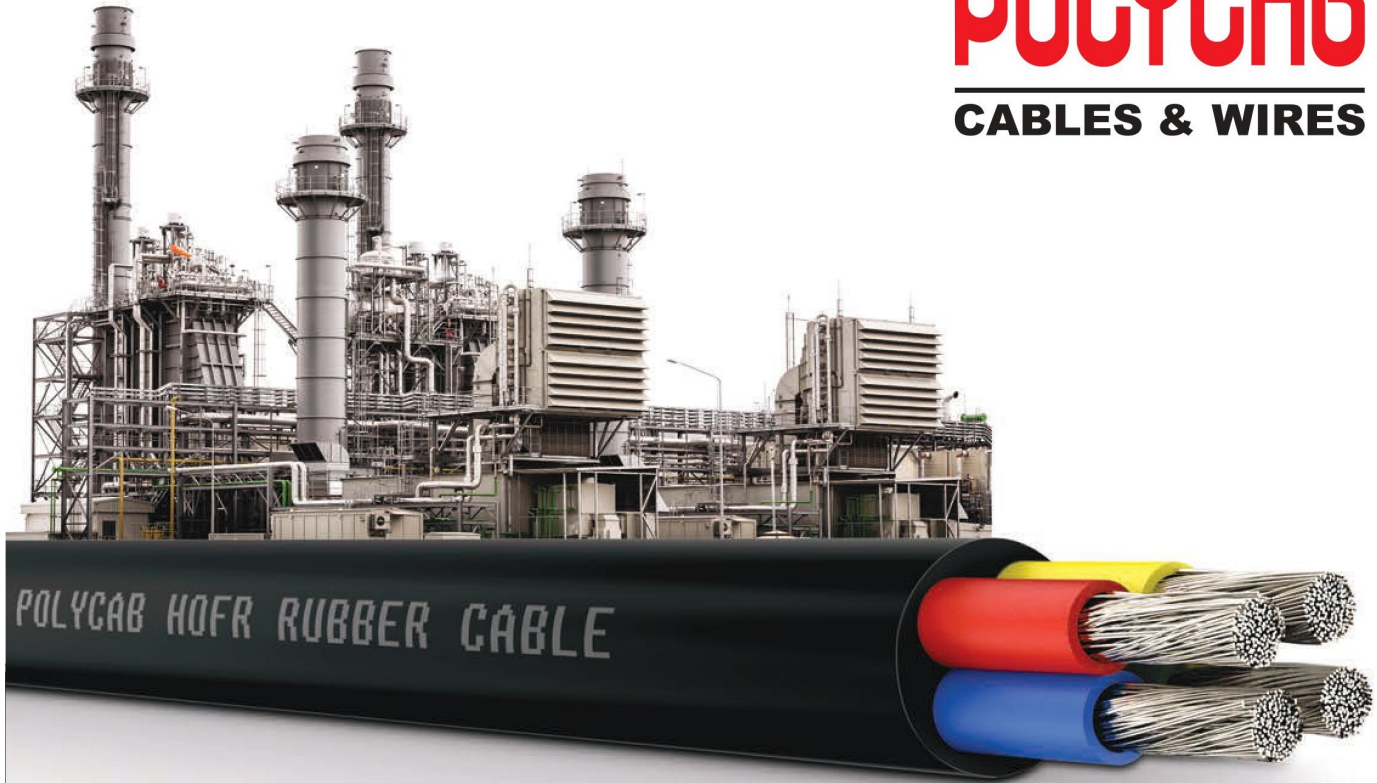




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# RUBBER CABLE AS PER IS 9968 PART-1 POWER CABLE



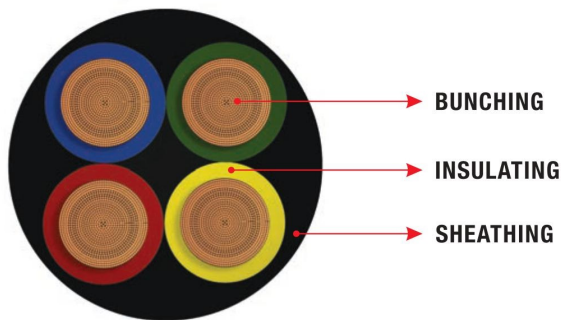
## CONSTRUCTION

**Conductor** : Class 5 annealed tin electrolytic grade copper conductor as per IS 8130

**Insulation** : Special EPR compound equivalent to or better than IE2 as per IS 6380

**Outer sheath** : Special elastomeric compound based on PCP, CSP, NBR - PVC, CPE equivalent to or better than SE4, HOFR as per IS 6380.

## CONSTRUCTION DIAGRAM



## TECHNICAL SPECIFICATION

Rated Voltage : 1.1 KV

AC Test Voltage : 3.0 KV

## WORKING TEMPERATURE

Fixed Installation : - 40 Deg C to + 90 Deg C

In Operation : - 25 Deg C to + 90 Deg C

## SPECIAL FEATURES

Excellent flexibility, Smooth finish, Enhanced resistance to Ozone, Oxygen, Heat, Solvent, Chemicals and Fire.

## RUBBER CABLE AS PER IS 9968 PART 1 POWER CABLE

| Nominal Cross Section Sq.mm | Nominal Thickness of Insulation mm | Max Cond. DC Resistance @ 20 Deg C Ohms/Km | Max Temp. of the Cond. During Operation Deg C | Max Temp. of Cond. During Shot Circuit Deg C | Overall Diameter |        |        |        |
|-----------------------------|------------------------------------|--|---|--|------------------|--------|--------|--------|
|                             |                                    |  |   |  | 1 Core           | 2 Core | 3 Core | 4 Core |
| 4                           | 1.0                                | 5.09                                       | 90  | 250  | 7.8              | 13.2   | 13.5   | 15.4   |
| 6                           | 1.0                                | 3.39                                       | 90  | 250  | 10.0             | 17.0   | 18.0   | 20.4   |
| 10                          | 1.2                                | 1.95                                       | 90  | 250  | 11.8             | 20.6   | 22.0   | 24.2   |
| 16                          | 1.2                                | 1.24                                       | 90  | 250  | 13.6             | 24.0   | 25.8   | 28.4   |
| 25                          | 1.4                                | 0.795                                      | 90  | 250  | 15.7             | 29.2   | 31.4   | 34.2   |
| 35                          | 1.4                                | 0.565                                      | 90  | 250  | 17.4             | 32.2   | 34.4   | 37.6   |
| 50                          | 1.6                                | 0.393                                      | 90  | 250  | 20.2             | 37.2   | 39.8   | 43.6   |
| 70                          | 1.6                                | 0.277                                      | 90  | 250  | 22.5             | 41.2   | 44.2   | 48.6   |
| 95                          | 1.8                                | 0.21                                       | 90  | 250  | 25.4             | 46.6   | 50.2   | 55.2   |
| 120                         | 1.8                                | 0.164                                      | 90  | 250  | 27.6             | 50.6   | 54.2   | 60.0   |
| 150                         | 2.0                                | 0.132                                      | 90  | 250  | 30.4             | 55.6   | 59.6   | 66.0   |
| 185                         | 2.2                                | 0.108                                      | 90  | 250  | 33.4             | 60.6   | 65.2   | 72.5   |
| 240                         | 2.4                                | 0.0817                                     | 90  | 250  | 36.8             | 67.6   | 72.8   | 81.0   |
| 300                         | 2.6                                | 0.0654                                     | 90  | 250  | 40.0             | 74.6   | 80.4   | 89.4   |
| 400                         | 2.8                                | 0.0495                                     | 90  | 250  | 45.0             | 84.0   | 90.6   | 100.8  |

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# RUBBER CABLE GENERALLY AS PER IS 9968 PART - 1 CONTROL CABLE



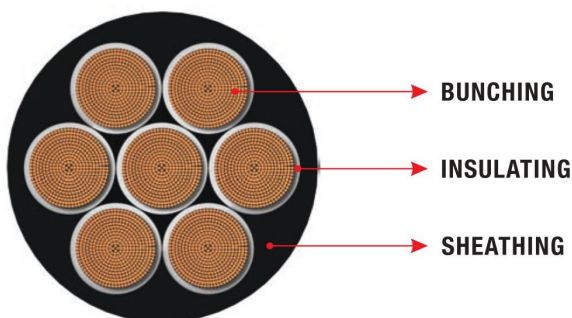
## CONSTRUCTION

**Conductor** : Class 5 annealed tin electrolytic grade copper conductor as per IS 8130.

**Insulation** : Special EPR compound equivalent to or better than IE2 as per IS 6380.

**Outer sheath** : Special elastomeric compound based on PCP, CSP, NBR-PVC, CPE equivalent to or better than SE4, HOFR as per IS 6380

## CONSTRUCTION DIAGRAM



## TECHNICAL SPECIFICATION

Rated Voltage : 1.1 KV

AC Test Voltage : 3.0 KV

## WORKING TEMPERATURE

Fixed Installation : - 40 Deg C to + 90 Deg C

In Operation : - 25 Deg C to + 90 Deg C

## SPECIAL FEATURES

Excellent flexibility, Smooth finish, Enhanced resistance to Ozone, Oxygen, Heat, Solvent, Chemicals and Fire.

## RUBBER CABLE AS PER IS 9968 PART 1 CONTROL CABLE

| Nominal Cross Section<br>Sq.mm | CORE<br>Nos | Nominal Thickness of Insulation<br>mm | Max Cond. DC Resistance @ 20 Deg C<br>Ohms/Km | Max Temp. of the Cond. During Operation<br>Deg C | Max Temp. of Cond. During Shot Circuit<br>Deg C | Overall Diameter<br>mm |
|--------------------------------|-------------|---------------------------------------|---|--|---|------------------------|
| 1.5                            | 7           | 1.0                                   | 13.7  | 90   | 250   | 14.6                   |
| 1.5                            | 12          | 1.0                                   | 13.7  | 90   | 250   | 21.0                   |
| 1.5                            | 24          | 1.0                                   | 13.7  | 90   | 250   | 29.0                   |
| 2.5                            | 7           | 1.0                                   | 8.21  | 90   | 250   | 16.0                   |
| 2.5                            | 12          | 1.0                                   | 8.21  | 90   | 250   | 23.0                   |
| 2.5                            | 24          | 1.0                                   | 5.09  | 90   | 250   | 31.5                   |

PRODUCT RANGE : 2 core upto 36

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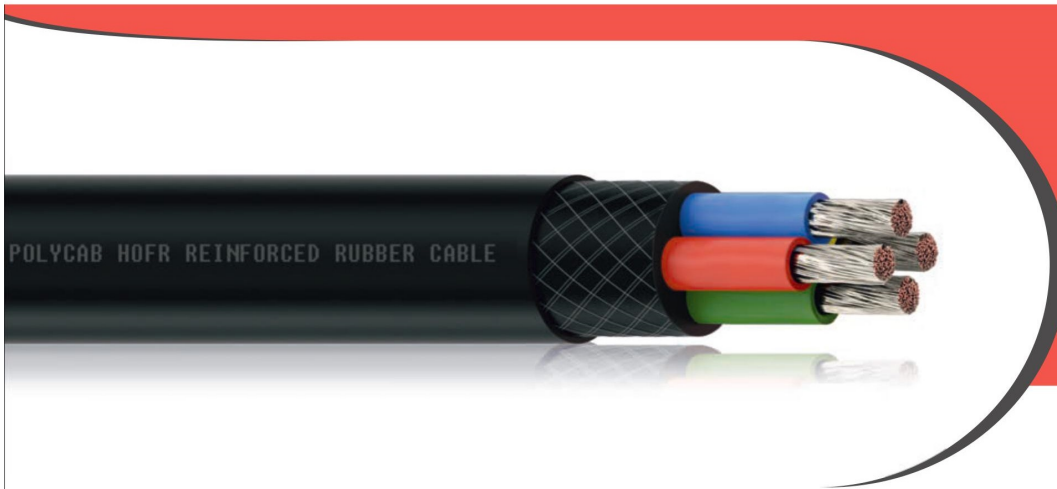
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## RUBBER CABLE GENERALLY AS PER IS 9968 PART - 1 WITH REINFORCEMENT



### CONSTRUCTION

**Conductor** : Class 5 annealed tin electrolytic grade copper conductor as per IS 8130.

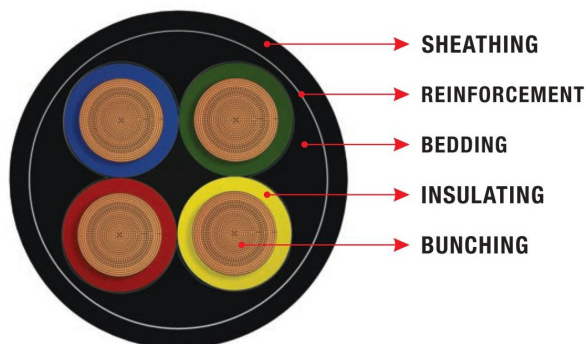
**Insulation** : Special EPR compound equivalent to or better than IE2 as per IS 6380.

**Bedding** : Special elastomeric compound conforming to SE3 / SE4 as per IS 6380.

**Reinforcement** : Anti-torsional reinforcement between bedding and outer sheath.

**Outer sheath** : Special elastomeric compound based on PCP, CSP, NBR-PVC, CPE equivalent to or better than SE4, HOFR as per IS 6380.

### CONSTRUCTION DIAGRAM



### TECHNICAL SPECIFICATION

Rated Voltage : 1.1 KV

AC Test Voltage : 3.0 KV

### SPECIAL FEATURES

Excellent flexibility, Smooth finish, Enhanced resistance to Ozone, Oxygen, Heat, Solvent, Chemicals and Fire.

### APPLICATION

Reeling & Unreeling application in dry, damp & wet locations as well as outdoors. As universal reeling cables for hoisting, transportation & handling equipment with heavy mechanical stresses, flexible wind energy cable.

**PRODUCT RANGE** : Single core upto 400 Sq.mm, Multicore upto 240 Sq.mm, Control core 1.5 Sq.mm to 2.5 Sq.mm upto 36 core

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## RUBBER CABLE GENERALLY AS PER IS 9968 PART - 1 FIRE SURVIVAL CABLE



### CONSTRUCTION

**Conductor** : Class 1 or 2 annealed tin or plain electrolytic grade copper conductor as per IS 8130.

**Glass mica tape** : Special glass mica tape suitable for 750°C or 950°C.

**Insulation** : Special EPR compound equivalent to or better than IE2 as per IS 6380

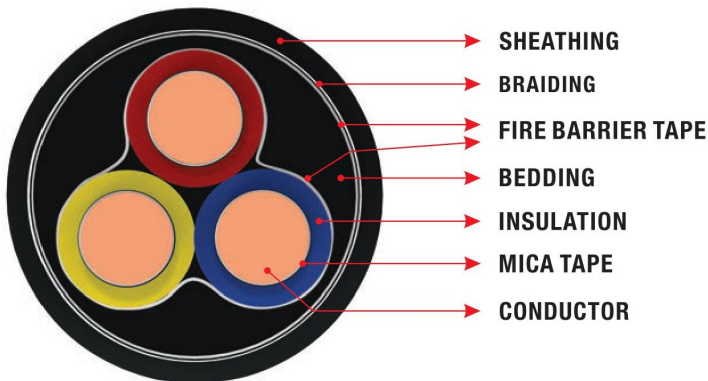
**Bedding** : Special Zero halogen elastomeric compound.

**Fire barrier tape** : High temperature resistance glass fibre tape

**Braiding** : Magnetic or non-magnetic metallic wire braiding.

**Outer sheath** : Special zero-halogen LSF (Low smoke & fume) elastomeric compound.

### CONSTRUCTION DIAGRAM



### TECHNICAL SPECIFICATION

Rated Voltage : 1.1 KV

AC Test Voltage : 3.0 KV

### SPECIAL FEATURES

- Circuit integrity test at 750°C or 950°C confirming to IEC 60331
- Smoke density test conforming to ASTM D 2843 or IEC 61034
- Vertical flame spread test conforming to IEC 60332
- Halogen acid gas test conforming to IEC-60754-1

**PRODUCT RANGE:** Single core cable upto 630 Sq.mm, Multicore cable 2.5 Sq.mm to 240 Sq.mm.

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## WELDING CABLE AS PER IS 9857

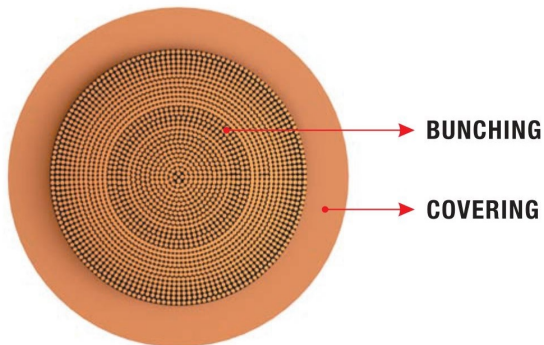


### CONSTRUCTION

**Conductor :** Ultra flexible class 6 annealed plain electrolytic grade copper conductor as per IS 8130.

**Covering :** Special elastomeric compound equivalent to or better than SE3 as per IS 6380.

### CONSTRUCTION DIAGRAM



### SPECIAL FEATURES

Heat resisting, Oil resisting, Flame retardant (HOFR).

Extremely flexible, smooth finish produced by Continuous Vulcanisation (CV) process.

### APPLICATION

Specifically designed for machine welding and hand welding to work in dry, damp, wet locations & outdoors.

### WELDING CABLE AS PER IS 9857

| Sr No. | Conductor Size<br>Sq.mm | Thickness of<br>Covering<br>(Nominal mm) | Outer Diameter<br>(mm) | Weight<br>(Kg/Km) |
|--------|-------------------------|--|------------------------|-------------------|
| 1      | 16                      | 2.0                                      | 9.4                    | 200               |
| 2      | 25                      | 2.0                                      | 10.8                   | 280               |
| 3      | 35                      | 2.0                                      | 11.9                   | 375               |
| 4      | 50                      | 2.2                                      | 13.8                   | 525               |
| 5      | 70                      | 2.4                                      | 15.7                   | 725               |
| 6      | 95                      | 2.6                                      | 17.7                   | 925               |

Upon request we can manufacture higher sizes of welding cables

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## SILICON CABLE AS PER IS 9968 PART-1



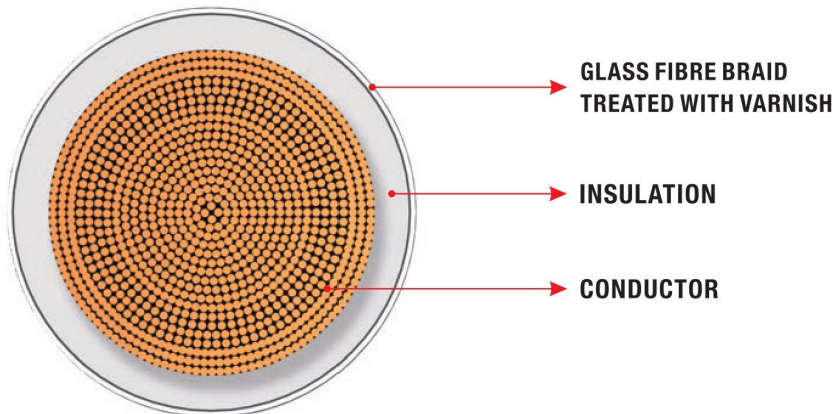
### CONSTRUCTION

**Conductor :** Annealed tin or plain electrolytic grade copper conductor as per IS 8130.

**Insulation :** Special silicon compound equivalent to or better than IE5 as per IS 6380.

**Braiding :** Glass fibre yarn braiding, treated with varnish.

### CONSTRUCTION DIAGRAM



### TECHNICAL SPECIFICATION

Rated Voltage : 1.1 KV

AC Test Voltage : 3.0 KV

### SPECIAL FEATURES

- Operation temperature : -50 to 180°C.
- Excellent flexibility, smooth finish, enhanced resistance to Heat, Ozone, Oxygen, Solvent, Chemicals and Fire

**PRODUCT RANGE:** Single core cable upto 240 sqmm & multicore cable upto 95 Sq.mm.

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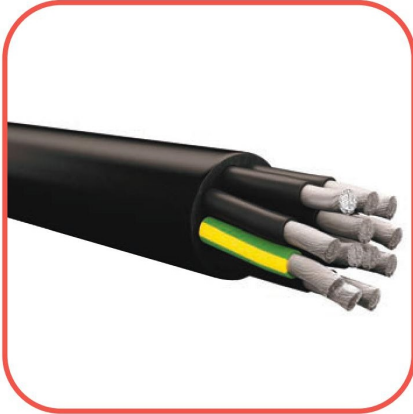




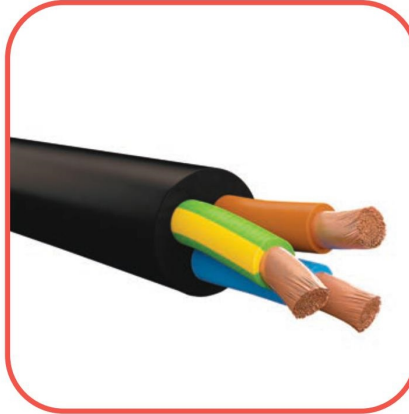
# RUBBER CABLES FOR EXPORT



**FLEXIBLE MAINS AND CONTROL CABLES EPR, CSP**



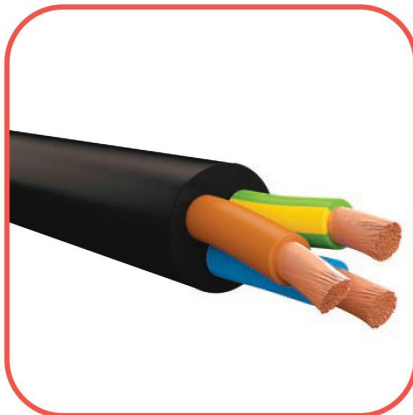
**FLEXIBLE MAINS CABLES EPR, CSP**



**FLEXIBLE MAINS AND CONTROL CABLES H07RN-F**



**TOUGH RUBBER SHEATH FLEXIBLE CORDS**



**BRAIDED TOUGH RUBBER SHEATH FLEXIBLE CORDS**



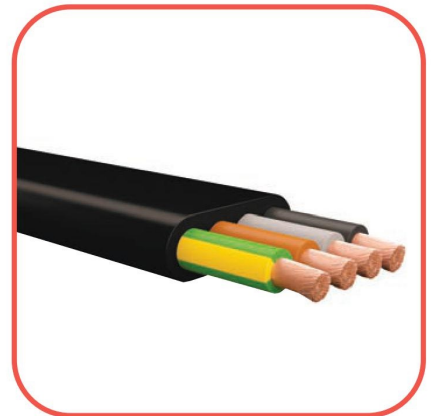
**COIL END LEAD FLEXIBLE MAINS CABLES**



**WELDING CABLES**



**RUBBER PLATFORM CABLES**



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