



**Single Core High Conductivity Copper Conductor HOFR Rubber Compound 90°C Sheathed Welding Cable as per IS 9857 Specification**

**Application**

- ✓ Transmission of high currents from the electric welding machine to the welding tool.
- ✓ Assembly lines and conveyor systems, in machine tool and motor car manufacturing, ship building.
- ✓ Manually and automatically operated line and spot welding machines.

**Features**

- ✓ Flexibility under rough conditions.
- ✓ Highly Resistant to effects of cold, heat and fire
- ✓ Excellent Flame Retardant Property limited to HOFR type SE3 Sheathed Cable.

**Product Construction**

- ✓ Conductor : Plain or tinned annealed high conductivity class 6 copper wires complying with IS 8130 : 1984
- ✓ Separator : Dry paper, polyester tape
- ✓ Sheath : (Optional : General service normal duty elastomeric compound Type SE1/ HOFR normal duty elastomeric compound Type SE3 Conforming to the requirement of IS 6380:1984.)
- ✓ Colour : Black

**Technical Data**

- ✓ Temperature Range : 90°C
- ✓ Voltage for Testing : 1000 V AC
- ✓ Bending Radius(Minimum) : 6x Overall dia.
- ✓ Specification : IS 9857

<b>ISO 9001</b>	<b>ISO 14001</b>	<b>OHSAS 18001</b>	<b>AS 9100</b>	<b>ISO 45001</b>			
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Part Number	Nominal conductor area (mm <sup>2</sup> )	Maximum strand dia (mm)	Thickness of insulation (mm)	Approx. overall diameter (mm)	Approx. Weight of Cable (kg/km)	Maximum Conductor Resistance at 20°C (Ω/Km)	
						Plain Wires	Tinned Wires
53728XX	16	0.21	2.0	9.5	196	1.21	1.24
53730XX	25	0.21	2.0	10.8	280	0.780	0.795
53732XX	35	0.21	2.0	12.0	370	0.554	0.565
53734XX	50	0.31	2.2	14.0	518	0.386	0.393
53737XX	70	0.31	2.4	16.1	704	0.272	0.277
53738XX	95	0.31	2.6	18.3	942	0.206	0.210

Note : XX\* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.

Red - 01	Yellow - 02	Blue - 03	Black - 04	Green - 05	Yellow-Green - 06	Grey - 07	Brown - 08	White - 09	Orange - 10	Violet - 11
Chocolate - 12	Tan - 13	Charcoal - 14	LT Blue - 15	DK Grey - 16	LT Green - 17	DK Green - 18	DK Blue - 19	Purple - 20	Pink - 21	

- ✓ \* Other length as per Customer order.
- ✓ Current Carrying capacity given is for the maximum conductor operating temperature of 80°C and ambient air temperature of 40°C.