SUPERSTAR Welding Cable 100 V, BIS approved.

Technical data

- Harmonised Welding Cable with EPR/NBR rubber jacket, according to IS 6830/84 equivalents to BS 6899 and DIN VDE 0282 part 6.
- **Conductor resistance** according to IS: 8130/84 equivalent to HD 383 cl. 6.
- **Conductor resistance factor** at +20° C – see technical information
- **Temperature range**
  flexing -25° C to +80° C
  fixed installation -40° C to +80° C
- **Admissible working temperature** at conductor +85° C
- **Nominal voltage** 100V
- **Test voltage** 1000V

Cable structure

- Plain copper conductors, extra fine stranded to IS 8130/84 equivalents to BS 6360, IEC 60228 & HD 383.
- Melinex tape used as separator over the conductor.
- EPR/NBR outer rubber jacket, as per type SE-3.
- Outer sheathing black.
- With marking of brand name and cross section.
- Testing of cable carried out as per IS 9857/90 equivalents to BS 638 part 4.
- Heat, oil and fire retardant cable.

Application

- Rubber insulated flexible welding cable are used to connect Welding Machine & for better welding proficiency.
- Used in Automobile industries, Shipbuilding, Transport, Steel Plants, Railways, Refineries, Oil fields, Automatic Welding Robots, Construction, Coal Mines etc.
- The robust construction makes these cables resistance to both cold & heat as well as to flames.
- They are suitable for use in open spaces and in dry and damp conditions.

Welding Cable with standard flexibility, bending radius : approx 15 x CableØ

Cross-Sec (Sq.mm)	No. of Wires x Single WireØ (mm)	Radial thickness of sheathing (mm)	Outer Diameter min ~ max (mm)	Max Resistance @ 20°C (ohm/km)	Current Rating At a Max Duty Cycle				AWG No.
					Permanent 100% (Amps)	85% (Amps)	60% (Amps)	30% (Amps)	
1x16	513 x 0.2	2.0	8.7 ~ 10.7	1.210	135	146	174	246	6
1x25	783 x 0.2	2.0	10.5 ~ 12.5	0.780	177	192	228	343	4
1x35	497 x 0.3	2.0	12.1 ~ 14.1	0.554	221	240	285	403	2
1x50	702 x 0.3	2.2	14.0 ~ 16.0	0.386	279	303	360	509	1
1x70	999 x 0.3	2.4	16.2 ~ 18.2	0.272	352	382	454	643	2/0
1x95	1302 x 0.3	2.6	18.9 ~ 20.9	0.206	424	460	547	774	3/0
1x120	1702 x 0.3	2.8	20.2 ~ 23.2	0.161	491	525	601	814	4/0
1x150	2121 x 0.3	3.0	22.4 ~ 26.4	0.129	568	614	708	921	300 kcmil

Welding Cable with extreme high flexibility, bending radius :approx 12 x CableØ

Cross-Sec (Sq.mm)	No. of Wires x Single WireØ (mm)	Radial thickness of sheathing (mm)	Outer Diameter min ~ max (mm)	Max Resistance @ 20°C (ohm/km)	AWG No.
1x16	513 x 0.2	2.0	8.7 ~ 10.7	1.210	6
1x25	783 x 0.2	2.0	10.5 ~ 12.5	0.780	4
1x35	1120 x 0.2	2.0	12.1 ~ 14.1	0.554	2
1x50	1600 x 0.2	2.2	14.0 ~ 16.0	0.386	1
1x70	2240 x 0.2	2.4	16.2 ~ 18.2	0.272	2/0
1x95	3024 x 0.2	2.6	18.9 ~ 20.9	0.206	3/0

Safety Requirements :

1. Coiled welding cable must always be spread out before using to avoid overheating in use.
2. Cables must not be spliced within 10 feet of the holder.
3. Welding cable must never be coiled or looped around the body of the worker
4. Cables with damaged insulation must be replaced.
5. Welding cable must only be joined through the means of recommended connections

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(CE Marking Approval Under Process)