

TECHNICAL SPECIFICATION OF HARD DRAWN GROOVED CONTACT WIRE

1. MATERIAL: ETP Grade copper as per DIN EN 13601:2002 or Oxygen free copper.

2. CHEMICAL PURITY:

Copper + Silver > 99.95%

3. CROSS SECTIONAL AREA:

107 Sq. mm, 150 Sq. mm and 193 Sq. mm.

4. GROOVE ANGLES: (In Degree)

TOTAL 78 +2°/-0° OR 78 +0°/-2°

UPPER 51 +1°/-0° OR 78 +0°/-1°

LOWER 27 +1°/-0° OR 78 +0°/-1°

5. PROPERTIES:

| CROSS SECTION (Sq. mm.) | STANDARD WEIGHT (Nom.)Kg./Km | RESISTANCE@ 20°C (Nom.) Ohm/Km. | TENSILE STRENGTH (Min.) Kgf/mm ² | ELONGATION % (Min.) | HARDNESS BHN (Min.) |
|----------------------------|---------------------------------|--|---|------------------------|------------------------|
| 107 | 951.2 | 0.1660 | 36.5 | 3 | 107 |
| 150 | 1333.5 | 0.1184 | 36.5 | 3 | 107 |
| 193 | 1715.8 | 0.0921 | 36.5 | 3 | 107 |

6. PACKING:

a. Length: Upto 2000 meters.

b. Drum Size:

Barrel : 1200 mm.

Traverse: 600 mm.

Flange : 1500 to 1800 mm. (Adjusted as per Length)

Central Hole: Square or Circular as required.