

**JMW INDIA PVT LTD.**

WORKS: NEAR SIDCO ESTATE OFFICE, SIDCO  
INDUSTRIAL COMPLEX, BARI BRAHMANA,  
JAMMU-181134

**QUALITY DEPT.****MATERIAL SPECIFICATION****MATERIAL: BUNCH CONDUCTOR****1. SCOPE:-**

This specification covers **BUNCH CONDUCTOR**, for electrical purpose. With reference to the properties, Acceptance criteria etc, under following headings.

- 1.1 Relevant information from Indian/ international standards, & vendor's specification.
- 1.2 Major properties
- 1.3 Acceptance criteria & routine test at vendor or external testing institutions

**2. REFERENCE SPECIFICATION:-**

INDIAN :- IS 13730 (PART 27)- 1996, IS 191 : PART 1 TO 10  
INTERNATIONAL :-

**3. MAJOR PROPERTIES :-****3.1 CHEMICAL PROPERTIES:**

3.1.1 USED OXYGEN FREE HIGH CONDUCTIVITY COPPER STRIP

**3.2 PHYSICAL PROPERTIES :-**

|   |             |
|---|-------------|
| 3.2.1 TENSILE STRENGTH, MPA (MIN.)              | = 205       |
| 3.2.2 ELONGATION) GAUGE-LENGTH= 50MM) % MIN.    | = 35        |
| 3.2.3 RESISTIVITY Ohm mm <sup>2</sup> /m (MAX.) | = 0.0172410 |
| 3.2.4 CONDUCTIVITY, IACS (MIN.)                 | = 100.00    |
| 3.2.5 HARDNESS, HV (MAX.)                       | = 60        |
| 3.2.6 OXYGEN, PPM (MAX.)                        | = 5.00      |
| 3.2.7 MODE OF OVER LAPPING %                    | = 25 - 35   |
| 3.2.8 BUT LAP MM                                | = 1 - 2     |

**4.0 INSULATION TEST AT 250 V**

LEAKAGE CURRENT SHOULD BE LESS THAN 1A.

**4.1 WAXXING**

AS PER CUSTOMER SPECIFICATION.

**5.0 ACCEPTANCE CRITERIA :**

The following Test Certificate shall be submitted :

ROUTINE TEST (FOR EVERY LOT)  
CHEMICAL ANALYSIS  
PHYSICAL PROPERTIES

**Revision No : 01****Page : No: 1 of 1****Issued By:****Approved By:****P.K. SAXENA****GENERALMANAGER**