

BNSR AERIAL BUNCH CABLES

1100 Volts (3core). Reference Standard : Generally to IS: 7098 (1) 88.

| SR. No. | Description | | 3*25 + 1*25 + 1*35 | 3*35 + 1*35 + 1*35 | 3*50 + 1*50 + 1*35 | 3*70 + 1*70 + 1*55 | 3*95 + 1*95 + 1*55 |
|------------|---|-------------------------|--------------------------|--------------------------------|-----------------------|--------------------------|--------------------------|
| 1 | Power / Neutral Core : | | | | | | |
| 1.1 | Conductors | | | | | | |
| | a) Nom, Cross Sectional Area | (mm²) | 25 | 35 | 50 | 70 | 95 |
| | i) Power Cores | (mm²) | 16 | 16 | 25 | 35 | 50 |
| | ii) Neutral Core | | | | | | |
| | b) Max. D.C. resistance condustor at 20°C | (Ohm/Km) | 1.20 | 0.868 | 0.641 | 0.443 | 0.320 |
| | i) Power cores | (Ohm/Km) | 1.91 | 1.910 | 1.200 | 0.868 | 0.641 |
| | ii) Neutral Cores | | | | | | |
| | c) Approx. diameter of conductor | (mm) | 6.2 | 7.3 | 8.35 | 10.1 | 12.00 |
| | i) Power cores | (mm) | 5.1 | 5.1 | 6.20 | 7.30 | 8.35 |
| | ii) Neutral Core | | | | | | |
| 1.2 | Insulation: | | | | | | |
| | Minimum thickness: | | | | | | |
| | i) Power cores | (mm) | 0.9 | 0.9 | 1.0 | 1.1 | 1.1 |
| | ii) Neutral core | (mm) | 0.7 | 0.7 | 0.9 | 0.9 | 1.0 |
| 2 | Messenger Wire (Bare): | | | | | | |
| | i) Nom. Cross Sectional area | (Sq.mm) | 35 | 35 | 34 | 55 | 55 |
| | ii) Approx. breaking load | (KN) | 41 | 41 | 41 | 62 | 62 |
| 3 | Current Ratings: | | | | | | |
| | Continuous current carrying Capacity of cable in air at Ambient temp. 40°C (Amp.) | | 99 | 122 | 149 | 190 | 235 |
| 4 | Approx. Weight. | (Kg./Km.) | 580 | 665 | 810 | 1165 | 1430 |