

Application

- ✓ Low-tension electric wire for Automobiles.
- ✓ Used in Motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.

Product Construction

- ✓ Conductor : Soft / annealed Plain Copper according to ISO 6722 (Symmetrical)
- ✓ Insulation : PVC with properties according to ISO 6722 Class B, Lead free
- ✓ Colour : As per customer order
- ✓ Cable construction according to ISO 6722, Class B (Ultra Thin wall)
- ✓ Single core, Single layer insulation

Technical Data

- ✓ Temperature Range: -40°C to +100°C (3000 Hours)
- ✓ Standard : ISO 6722 Class B
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm²
5kV (r.m.s.) for cables ≥ 0.5 mm²

Features

- ✓ Unilay conductor Stranding
- ✓ Reduced diameter / Very thin wall thickness
- ✓ Saving of insulation material, resulting in Substantial Weight reduction

Automotive Cables

Auto 100 - UTW

| Approvals | Accreditations | Certifications |
|-----------|----------------|----------------|
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| Part Number | Conductor Construction | | | | Insulation Wall Thickness Nom. | Cable | | Current Carrying Capacity | Max. Conductor Resistance at 20°C | Standard Length* |
|-------------|------------------------|----------------|------------------------------|-------------------------|--------------------------------|-----------------------|----------------|---------------------------|-----------------------------------|------------------|
| | Nominal Cross-Section | No. of Strands | Diameter of Single wire max. | Conductor Diameter max. | | Overall Diameter Max. | Weight Approx. | | | |
| | mm ² | nos. | mm | mm | mm | mm | kg/km | Amps | Ω/km | mtrs |
| A83306XX* | 0.50 | 19 | 0.19 | 1.10 | 0.20 | 1.40 | 6 | 14 | 37.1 | 500 |
| A83308XX | 0.75 | 19 | 0.24 | 1.30 | 0.20 | 1.60 | 8 | 17 | 24.7 | 500 |
| A83310XX | 1 | 19 | 0.27 | 1.50 | 0.20 | 1.75 | 10 | 19 | 18.5 | 500 |
| A83313XX | 1.5 | 19 | 0.33 | 1.80 | 0.20 | 2.10 | 15 | 25 | 12.7 | 500 |
| A83314XX | 2 | 19 | 0.38 | 2.00 | 0.25 | 2.40 | 20 | 31 | 9.42 | 500 |
| A83316XX | 2.5 | 37 | 0.28 | 2.20 | 0.25 | 2.70 | 24 | 36 | 7.60 | 500 |

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 | |

- ✓ Current Carrying capacity given is for the maximum conductor operating of 100° C and ambient air temperature of 40°C.
- ✓ * Other length as per Customer order.

** We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.



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