## 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 : Electron Beam Crossed Linked Polyolefin Class C
- ✓ Colour : As per customer order
- ✓ Cable construction according to ISO 6722, Class C ( Ultra Thin wall)
- ✓ Single core, Single layer insulation

## Technical Data

- ✓ Temperature Range : -40°C to + 125°C (3000 Hours)
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 $mm^2$
  5kV (r.m.s.) for cables ≥ 0.5 $mm^2$
- ✓ UTW - Ultra Thin wall
- ✓ Specification : ISO 6722

## Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, Petrol and diesel.
- ✓ Flexible conductors with Electron Beam cross linked polyolefin thin wall insulation with increased mechanical strength.
- ✓ Extra flexibility.
- ✓ Heat resistance
- ✓ Halogen free

**Automotive Cables** | **Auto 125 -UTW**

| Approvals | Accreditations | Certifications |
|---|---|---|

**

| Part Number | Conductor Construction | | | | Insulation Wall Thickness Nom. | Cable | | Max. Conductor Resistance at 20°C | Current Carrying Capacity | Standard Length* |
|---|---|---|---|---|---|---|---|---|---|---|
| | Nominal Cross-Section | No. of Strands | Diameter of Single wire max. | Conductor Diameter Nom. | | Overall Diameter Max. | Weight Approx. | | | |
| | $mm^2$ | nos. | mm | mm | mm | mm | kg/km | Ω/km | Amps | mtrs |
| A81206XX* | 0.5 | 19 | 0.19 | 1.1 | 0.2 | 1.4 | 6 | 37.1 | 14 | 500 |
| A81208XX | 0.75 | 19 | 0.24 | 1.3 | 0.2 | 1.6 | 8 | 24.7 | 18 | 500 |
| A81210XX | 1 | 19 | 0.27 | 1.5 | 0.2 | 1.75 | 10 | 18.5 | 22 | 500 |
| A81213XX | 1.5 | 19 | 0.33 | 1.8 | 0.2 | 2.1 | 15 | 12.7 | 28 | 500 |
| A81214XX | 2 | 19 | 0.38 | 2.0 | 0.25 | 2.4 | 20 | 9.42 | 42 | 500 |
| A81216XX | 2.5 | 37 | 0.29 | 2.2 | 0.25 | 2.70 | 25 | 7.60 | 57 | 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 temperature of 125°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.

Catalogue No
A812

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All information given are in good faith.Siechem's liability is only to replace the defective portion of cables provided the same is mutually established as manufacturing defects within the guarantee period as agreed in writing and Siechem shall not be liable for any other compensation or damages. Siechem reserves the right to revise any of the above specifications without prior intimation. Subject to Chennai Jurisdiction.