

Application

- ✓ Wire harness of low-tension electric circuits for automobiles.
- ✓ Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.
- ✓ Especially used for circuits requiring heat resistance.

Product Construction

- ✓ Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to JIS C 3102, bare conductor construction According to JASO D 608 (Reference).
- ✓ Insulation : Electron beam cross linked Polyethylene
- ✓ Colour : As per customer order.
- ✓ Single core

Technical Data

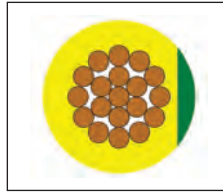
- ✓ Temperature Range : - 40°C to +120°C (3000 Hours)
- ✓ Standard : JASO D 608 (Reference)
- ✓ Test Voltage : 1 kV
- ✓ A : Low tension cables for automobiles
- ✓ E : Polyethylene insulated
- ✓ SS : Very Thin wall type
- ✓ X : Cross linked

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, petrol and diesel.
- ✓ Flexible conductor with Electron beam cross linked polyethylene super thin wall insulation for smaller diameter and lesser weight.
- ✓ Heat resistant.

Automotive Cables **AESSX**

2D View



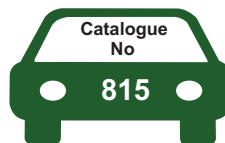
| Approvals | Accreditations | Certifications |
|-----------|----------------|----------------|
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| Part Number | Conductor Construction | | | | Insulation Wall Thickness Nom. | Cable | | | Max. Conductor Resistance at 20°C | Current Carrying Capacity | Standard Length* |
|-------------|------------------------|----------------|------------------------------|----------------------------|--------------------------------|------------------|-------|----------------|-----------------------------------|---------------------------|------------------|
| | Nominal Cross-Section | No. of Strands | Diameter of Single wire max. | Conductor Diameter Approx. | | Overall Diameter | | Weight Approx. | | | |
| | | | | | | Nom. | Max. | | | | |
| | mm ² | nos. | mm | mm | mm | mm | kg/km | Ω/km | Amps | mtrs | |
| 81554XX* | 0.85 | 19 | 0.24 | 1.2 | 0.3 | 1.8 | 1.9 | 10 | 21.7 | 20 | 1000 |
| 81504XX | 0.3 | 7 | 0.26 | 0.8 | 0.3 | 1.4 | 1.5 | 5 | 50.2 | 12 | 500 |
| 81506XX | 0.5 | 7 | 0.32 | 1.0 | 0.3 | 1.6 | 1.7 | 7 | 32.7 | 16 | 500 |
| 81512XX | 1.25 | 19 | 0.29 | 1.5 | 0.3 | 2.1 | 2.2 | 4 | 14.9 | 26 | 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 | |

- ✓ * Other length as per Customer order.
- ✓ Current Carrying capacity given is for the maximum conductor operating temperature of 120°C and ambient air temperature of 40°C.
- ** We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.



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