



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 ASTM B3 bare conductor construction according to SAE J 1127
- ✓ Insulation : Electron beam cross linked polyolefin.
- ✓ Colour : As per customer order.
- ✓ Single core

Technical Data

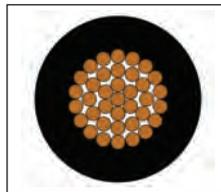
- ✓ Temperature Range : - 40°C to +125°C (3000 Hours)
- ✓ Standard : SAE J1127
- ✓ Test Voltage : 1 kV
- ✓ S : Starter or Ground
- ✓ G : General purpose
- ✓ X : Cross linked polyolefin

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, petrol and diesel.
- ✓ Flexible conductors with Electron beam cross linked polyolefin general purpose insulation for smaller diameter and lesser weight.
- ✓ Extra flexibility.
- ✓ Heat resistant.

Automotive Cables **SGX**

2D View



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

| Part Number | Conductor Construction | | | | Insulation Wall Thickness | | 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. | Min. | Nom. | Overall Diameter Max. | Weight Approx. | | | |
| | | | | | | | | | | | |
| 82361XX* | 13 | 133 | 0.36 | 4.83 | 1.06 | 1.52 | 8.60 | 166 | 1.40 | 124 | 500 |
| 82362XX | 19 | 133 | 0.46 | 6.09 | 1.16 | 1.65 | 10.5 | 257 | 0.94 | 160 | 500 |
| 82363XX | 32 | 133 | 0.57 | 7.67 | 1.16 | 1.65 | 12.0 | 373 | 0.56 | 218 | 500 |
| 82358XX | 40 | 259 | 0.46 | 8.49 | 1.16 | 1.65 | 13.0 | 453 | 0.42 | 255 | 500 |
| 82334XX | 50 | 1026 | 0.26 | 9.47 | 1.16 | 1.65 | 14.5 | 545 | 0.36 | 281 | 500 |
| 82365XX | 62 | 1254 | 0.26 | 10.47 | 1.16 | 1.65 | 16.0 | 653 | 0.27 | 325 | 500 |
| 82366XX | 81 | 1615 | 0.26 | 11.89 | 1.39 | 1.98 | 18.5 | 847 | 0.21 | 381 | 500 |
| 82367XX | 103 | 2052 | 0.26 | 13.40 | 1.39 | 1.98 | 20.0 | 1052 | 0.17 | 808 | 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 | Orange-White - 73 |
| White-Green - A07 | White-Yellow - A08 | Red-White - A12 | | | | | | | | |

✓ 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.



www.siechem.com