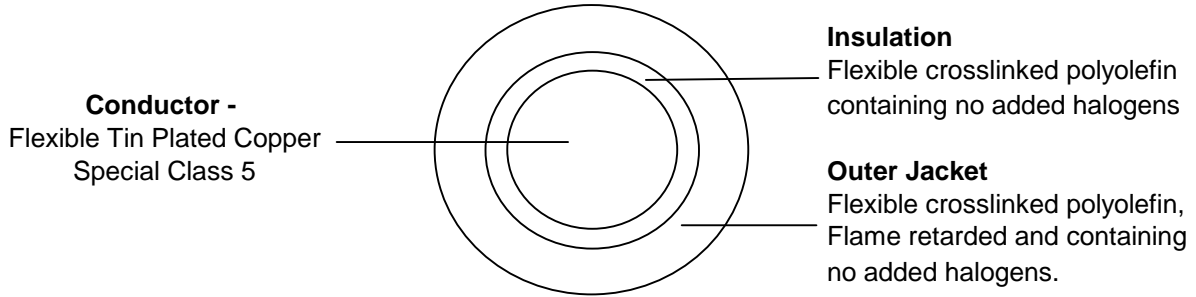


1800 VOLT D.C. HALOGEN FREE, GLOBAL SOLAR PHOTOVOLTAIC CABLE

The complete requirements for procuring the wire described herein shall consist of this document.



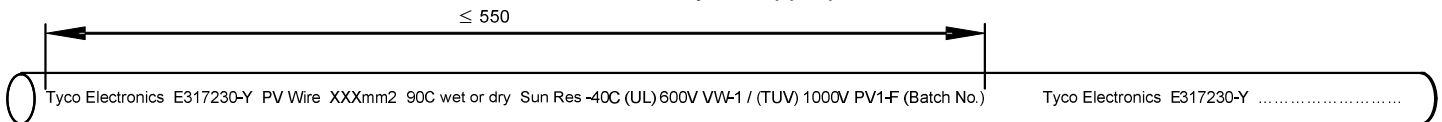
| Part Description | CONDUCTOR                        |                       | FINISHED WIRE                |                        |             |                     |        |                  | Weight Nominal (kg/km) |
|------------------|----------------------------------|-----------------------|------------------------------|------------------------|-------------|---------------------|--------|------------------|------------------------|
|                  | Stranding No./Max. Diameter (mm) | Maximum Diameter (mm) | Max. Resist @ 20°C (ohms/km) | Nominal Wall Thickness |             | Outer Diameter (mm) |        |                  |                        |
|                  |                                  |                       |                              | Insulation (mm)        | Jacket (mm) | Lower Spec Limit    | Target | Upper Spec Limit |                        |
| ZHSCG-35-2.5-*   | 50/0.26                          | 1.95                  | 8.21                         | 1.14                   | 1.15        | 6.55                | 6.65   | 6.80             | 62.5                   |
| ZHSCG-35-4.0-*   | 56/0.31                          | 2.50                  | 5.09                         | 1.14                   | 0.95        | 6.80                | 6.90   | 7.00             | 75.8                   |
| ZHSCG-35-6.0-*   | 84/0.31                          | 3.05                  | 3.39                         | 1.14                   | 0.95        | 7.10                | 7.35   | 7.65             | 95.5                   |

**COLOUR CODE:** The '\*' in the part description represents the outer jacket colour.  
e.g. ZHSCG-35-6.0-0 is 6 mm<sup>2</sup> conductor size, with black jacket.  
Standard colours are Black (0), Red (2), Blue (6).

**PERFORMANCE REQUIREMENTS:** To be tested and meet the requirements of the issue in effect of Tyco Electronics specification WSD 2038, TÜV specification 2Pfg1169/08.2007 and UL Subject 4703.

**JACKET MARKING:** 'Tyco Electronics E317230-Y PV Wire XXXmm<sup>2</sup> 90C wet or dry Sun Res -40C (UL) 600V VW-1 / (TUV) 1000V PV1-F (Batch No.)'

Where: Y stipulates Trutnov or Shanghai manufacturing location (see below).  
XXX is cable size cross sectional area (CSA)  
Batch No. is substituted by the appropriate batch number reference.



**NOTE:** To identify the manufacturing location (Trutnov/Shanghai) add letter after the E317230 UL file number.  
For Trutnov it will be E317230-C  
For Shanghai it will be E317230-S  
For Swindon it will be E317230 (no change)

**LABELLING REQUIREMENTS:** On Tag, Reel or Carton  
The tag markings shall include the surface markings required above.

In addition, the following information is required:

- Date of manufacture by year and month.
- "Photovoltaic module interconnection wire for use with or without a raceway in accordance with Wiring Systems, Article 690 in the National Electric Code (NEC), NFPA 70" or equivalent.
- Nominal outside diameter.

**APPROVAL:** Electronic sign off - no signatures will appear.

Tyco Electronics UK Ltd  
Faraday Road  
Dorcan  
SWINDON  
SN3 5HH  
UK

Registration Number:  
550926 London, England

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This specification sheet takes precedence over documents referenced herein. As Tyco Electronics UK Ltd. reserve the right to make changes in construction without notice please contact Tyco Electronics UK Ltd to ensure that this document is the latest issue

Tel: 0800 267666  
Fax: 01793 572516

Website: [www.tycoelectronics.com](http://www.tycoelectronics.com)  
Email: [picuk@tycoelectronics.com](mailto:picuk@tycoelectronics.com)