

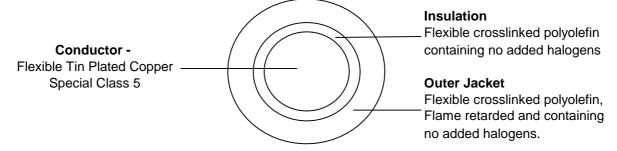
Specification Control Drawing

ZHSCG-35 Issue 12 12th August 2011

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

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



	CONDUCTOR		FINISHED WIRE						
Part	Stranding		Max.	Nominal		Outer Diameter (mm)			Weight
Description	No./Max.	Maximum	Resist	Wall Thickness		Lower		Upper	Nominal
	Diameter	Diameter	@ 20°C	Insulation	Jacket	Spec	Target	Spec	
	(mm)	(mm)	(ohms/km)	(mm)	(mm)	Limit		Limit	(kg/km)
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 mm² conductor size, with black jacket.

Standard colours are Black (0), Red (2), Blue (6).

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

JACKET 'TE Connectivity E317230-Y PV Wire XXXmm2 90C wet or dry MARKING: Sun Res -40C (UL) 600V / (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 On Tag, Reel or Carton

REQUIREMENTS: 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.

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