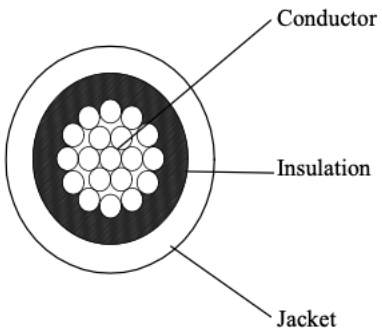



 **TONGLIN PHOTOVOLTAIC WIRE & CABLE**

Cross Section		Electrical	Characteristics
		Item	Electrical Characteristics
		Rated Voltage & Temperature	-40°C ~ +120°C
		Insulation Resistance (MIN)	580MΩ .km@20°C 0.58MΩ .km@90°C
		Conductors Resistance (MAX, @20°C)	2.5mm ² : 8.21 Ω/km 4mm ² : 5.09 Ω/km 6mm ² : 3.39Ω/km 10mm ² : 1.95 Ω/km

Construction		Dielectric Strength	6.5kV~/5Min.
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Spec .	Conductors		Insulation			Sheath			Physical	Characteristics		
	Qty/OD	Stranded Diameter	Ave. Thickness	Min. Thickness	Diameter	Ave. Thickness	Min. Thickness	Diameter		Item	Inner layer	Outer
2.5mm ²	49/0 .25±0 .008	2.02	0.7	0.6	3.5±0.05	0.8	0.65	5 .1±0 .2	Unaged	Tensile Strength	≥10.3Mpa	≥10.3Mpa
4mm ²	56/0 .285±0 .008	2.46	0.7	0.6	3.9±0.05	0.8	0.65	5.5±0 .2		Elongation	≥150%	≥150%
6mm ²	84/0 .285±0 .008	3.02	0.7	0.6	4.5±0.05	0.8	0.65	6 .1±0 .2	Cold Bend	(-40±2°C *16H)	/	IEC60811-1-4 , No crack
10mm ²	77/0 .4±0 .008	4.05	0.7	0.6	5.5±0.05	0.8	0.65	7 .1±0 .2	Flame Test		/	Vertical Flame Test

Marking : Tonglin  H1Z2Z2-K 62930 IEC 131 *mm ² DC 1500V HALOGEN FREE LOW SMOKE Jiangsu Tonglin Electric Co.,Ltd	Weathering/ UV Res.	/	EN50289-4-17
	Ozone Resistant	/	EN60811-403

REMARKS:	Cold Bending Test	/	(-40°C/4H) no crack
	Acid & Alkali Res.	/	EN60811-404

Product Descriptions Tinned copper stranded wire XLPE insulation, RoHS XLPE jacket, RoHS Bending radius: 5 *D Reference Standard IEC 62930	Deformation Test	/	131°C/30min The thickness shall not decrease more than 30%
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	1	2022/07/06	/

TL P/N#	/	Customer	/	Customer P/ N#	/
Prepared By	M L	Checked By	/	Approved By	/