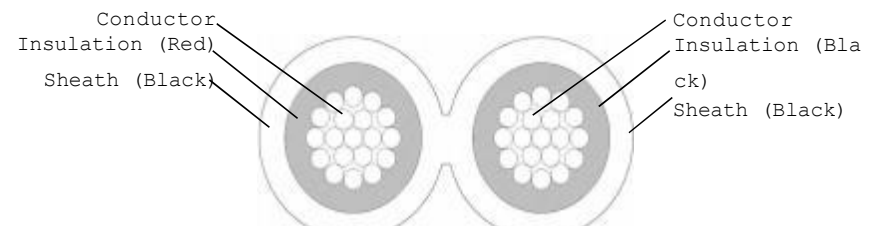


 TONGLIN PHOTOVOLTAIC WIRE & CABLE

Cross Section									Electrical		Characteristics	
									Item		Electrical Characteristics	
									Rated Voltage & Temperature		-40℃ ... +90℃	
									Insulation Resistance (MIN)		580MΩ .km@20℃	
											0.58MΩ .km@90℃	
									Conductors Resistance (MAX, @20℃)		2.5mm²: 8.21Ω/km	
4mm²: 5.09Ω/km												
6mm²: 3.39Ω/km												
10mm²: 1.95Ω/km												
Construction									Dielectric Strength		6.5kV~/5Min.	
Spec .	Conductors		Insulation			Sheath			Physical Characteristics			
	Qty/OD	Stranded Diameter	Ave. Thickness	Min. Thickness	Diameter	Ave. Thickness	Min. Thickness	Diameter	Item		Inner layer	Outer
2.5mm²	49/0.25±0.008	2.02	0.7	0.6	3.5±0.05	0.8	0.65	5.1±0.2X10.2±0.2	Unaged	Tensile Strength	≥10.3Mpa	≥10.3Mpa
4mm²	56/0.285±0.008	2.46	0.7	0.6	3.9±0.05	0.8	0.65	5.5±0.2X11.1±0.2		Elongation	≥150%	≥150%
6mm²	84/0.285±0.008	3.02	0.7	0.6	4.5±0.05	0.8	0.65	6.1±0.2X12.2±0.2	Cold Bend	(-40±2℃ *16H)	/	IEC60811-1-4, No crack
10mm²	77/0.4±0.008	4.05	0.7	0.6	5.5±0.05	0.8	0.65	7.1±0.2X14.2±0.2	Flame Test		/	Vertical Flame Test
Marking : Red cable : Tonglin Cable ▲ H1Z2Z2-K 62930 IEC 131 *mm² DC 1500V HALOGEN FREE LOW SMOKE Jiangsu Tonglin Electric Co.,Ltd (+) Black cable: Tonglin Cable ▲ H1Z2Z2-K 62930 IEC 131 *mm² 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℃/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 IEC62930									Deformation Test		/	131℃/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		/		