



PHOTOVOLTAIC WIRE & CABLE

Cross Section									Electrical Characteristics																		
<p style="font-size: small;"> Conductor Insulation (Red) Sheath (Black) Conductor Insulation (Black) Sheath (Black) </p>									Item		Electrical Characteristics																
									Rated Voltage & Temperature		-40℃...+90℃																
									Insulation Resistance (MIN)		580MΩ.km@20℃ 0.58MΩ.km@90℃																
									Conductors Resistance (MAX, @20℃)		4mm ² : 5.09Ω/km 6mm ² : 3.39Ω/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																
4mm ²	56/0.285±0.008	2.46	0.65	0.58	3.8±0.05	0.6	0.53	5.0±0.2X10.1±0.3	Unaged	Tensile Strength	≥6.5Mpa	≥8Mpa															
6mm ²	84/0.285±0.008	3.02	0.65	0.58	4.35±0.05	0.6	0.53	5.6±0.2X11.3±0.3		Elongation	≥125%	≥125%															
									Cold Bend (-40±2℃*16H)	/	IEC60811-1-4, No crack																
									Flame Test		/	Vertical Flame Test															
Marking: Red cable: (+) TÜV EN50618 H1Z2Z2-K *mm ² DC1500V LSZH TONGLIN(+) Black cable: (-) TÜV EN50618 H1Z2Z2-K *mm ² DC1500V LSZH TONGLIN(-)									Weathering/UV Res.		/		HD 605/A1														
									Ozone Resistant		/		EN50396														
									Cold Bending Test		/		(-40℃/4H) no crack														
REMARKS:									Acid & Alkali Res.		/		EN60811-2-1														
									Deformation Test		/		131℃/30min The thickness shall not decrease more than 30%														
Product Descriptions																											
Tinned copper stranded wire																											
XLPE insulation, RoHS																											
XLPE jacket, RoHS																											
Bending radius: 5*D																											
Reference Standard																											
EN50618:2014									<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Rev.</th> <th style="text-align: center;">Date</th> <th style="text-align: center;">History</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2018/10/16</td> <td style="text-align: center;">/</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				Rev.	Date	History	1	2018/10/16	/									
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