



NORTHERN STAR CABLE

Professional cables & wires manufacturer in China

Technical Documents



Northern Star Cable





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LSZH (Low Smoke Zero Halogen) cross-linked polyolefin sheath is widely used in solar PV cables to ensure safety and long service life in harsh outdoor environments

Goods Pictures





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TECHNICAL SPECIFICATION FOR PHOTOVOLTAIC SYSTEMS ELECTRIC CABLES DC1.5kV Copper Conductor, LSZH Insulated LSZH Sheath 1X4 mm²

No.	Description	Unit	Data
1	Manufacturer	-	Northern Star (Hebei) Special Cable Co., Ltd
2	Country	-	CHINA
3	Standard	-	EN 50618
4	Rated voltage	kV	1.5
5	Conductors		
	Material	-	copper be tin coated
	Number of conductor	-	1
	Nominal size	mm ²	4
	Structure (number of strands/diameter of single filament)	mm ²	59/0.28
	Maximum diameter of wires in conductor	mm	0.31
	Conductor diameter	mm	2.6
6	Insulation		
	Material	-	LSZH Polyolefin Insulation(XLPO)
	Nominal Thickness	mm	0.7
	Min. thickness at any point	mm	0.53
	Approx. diameter	mm	4.1
7	Sheath		
	Material	-	LSZH Polyolefin sheath(XLPO)
	Nominal thickness	mm	0.8
	Min. thickness at any point	mm	0.58
	Approx. diameter	mm	5.8
8	Cable		
	Approx. weight of complete cable	kg/km	68
	Max. DC resistance of conductor at 20°C	Ohm/km	5.090
	AC Voltage test at 50Hz	-	6.5kV/5 min ; No breakdown
	Ampacity Rating	A	55;In the air