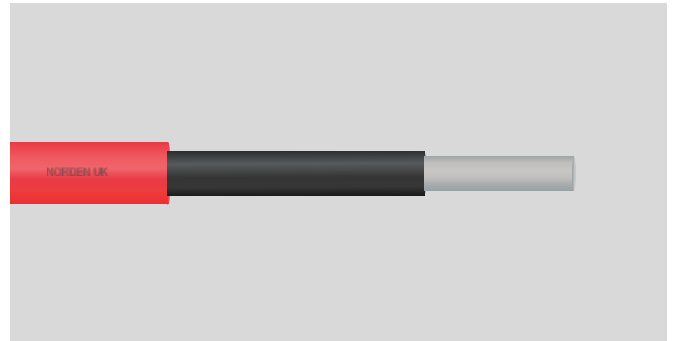


SOLAR CABLE

Norden Solar cables are designed as per EN 50618 & IEC 62930 for external applications. These cables are constructed with Cross linked polyolefin insulation & jacket which makes cable weather & UV resistant for harsh environment installations, especially for the interconnection of grounded and underground photovoltaic Power Systems.



CABLE CONSTRUCTION

Conductor Tinned copper (Class 5)	Outer Jacket XLPO	Insulation XLPO	Reference Standard EN 50618/IEC 62930
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PHYSICAL CHARACTERISTICS

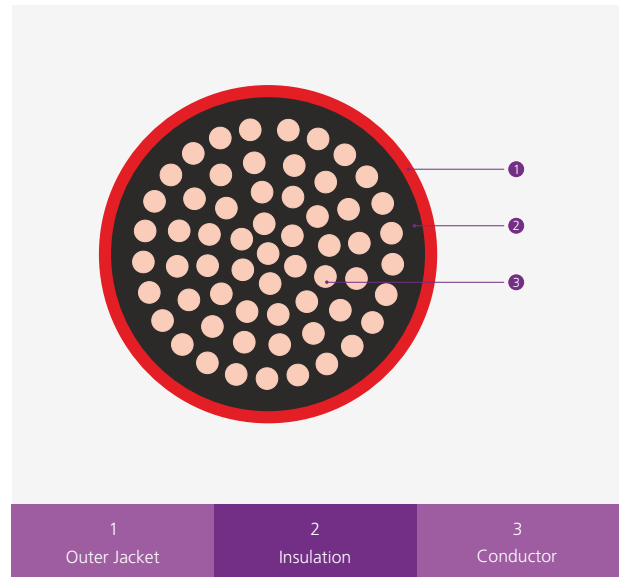
Characteristic	Value					
No. of Conductor	1 Core					
Nominal Section	1.5mm ²	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²
Conductor (mm)	30/0.25	49/0.25	56/0.30	84/0.30	76/0.40	126/0.40
Insulation Thickness (mm)	0.7	0.7	0.7	0.7	0.7	0.7
Insulation Diameter(mm)	3.0	3.4	4.0	4.6	5.4	6.6
Nom. Jacket Thickness (mm)	0.8	0.8	0.8	0.8	0.8	0.9
Nom. Outer Cable Diameter (mm)	4.7±0.2	5.3±0.2	5.6±0.2	6.1±0.2	7.3±0.2	8.4±0.2
Conductor Resistance at 20°C (Ω / km)	13.7	8.21	5.09	3.39	1.95	1.24

Characteristic	Value					
No. of Conductor	2 Core					
Nominal Section	1.5mm ²	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²
Conductor (mm)	30/0.25	49/0.25	56/0.30	84/0.30	76/0.40	126/0.40
Insulation Thickness (mm)	0.7	0.7	0.7	0.7	0.7	0.7
Insulation Diameter(mm)	3.0	3.4	4.0	4.6	5.4	6.6
Nom. Jacket Thickness (mm)	0.8	0.8	0.8	0.8	0.8	0.9
Nom. Outer Cable Diameter (mm)	4.7 * 9.6	5.3 * 11.0	5.6 * 11.4	6.1 * 12.4	7.3 * 14.8	8.4 * 17.0
Conductor Resistance at 20°C (Ω / km)	13.7	8.21	5.09	3.39	1.95	1.24

SOLAR CABLE

MECHANICAL, ELECTRICAL & ENVIRONMENTAL CHARACTERISTICS

Characteristic	Value
Operating Temperature	-40°C to +120°C
Installation Temperature	-40°C to +90°C
Minimum bending radius (flexing)	5 x OD
Minimum bending radius (fixed)	4 x OD
Rated Voltage	DC 1.5kV
Testing Voltage	6500V,50Hz/5min



ORDERING INFORMATION

Part Number	Description
89-7005P601X	1 Core 1.5 mm ² Solar Cable
89-7005P801X	1 Core 2.5 mm ² Solar Cable
89-7005P901X	1 Core 4.0 mm ² Solar Cable
89-7005PA01X	1 Core 6.0 mm ² Solar Cable
89-7005PB01X	1 Core 10.0 mm ² Solar Cable
89-7005PC01X	1 Core 16.0 mm ² Solar Cable
89-7005P602X	2 Core 1.5 mm ² Solar Cable
89-7005P802X	2 Core 2.5 mm ² Solar Cable
89-7005P902X	2 Core 4.0 mm ² Solar Cable
89-7005PA02X	2 Core 6.0 mm ² Solar Cable
89-7005PB02X	2 Core 10.0 mm ² Solar Cable
89-7005PC02X	2 Core 16.0 mm ² Solar Cable