

SOLAR CABLE

Solar Cable TUV EN50618 DC 1.5KV

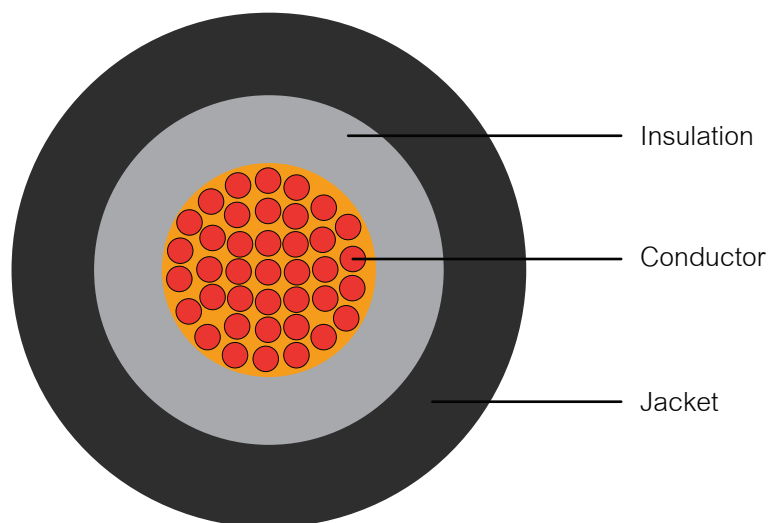
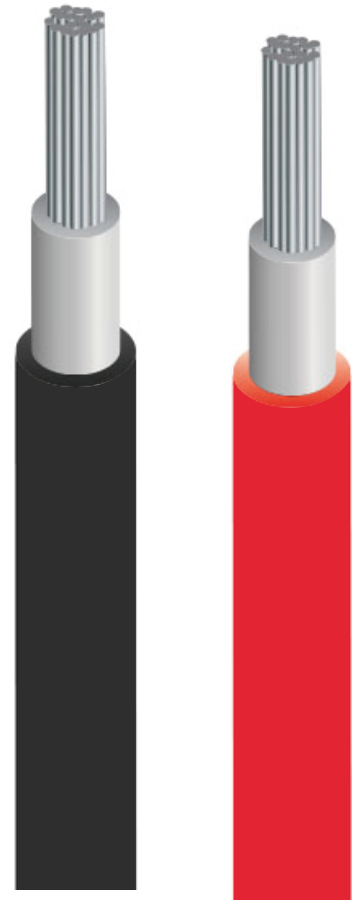


ELECTRICAL CHARACTERISTIC

Nominal Voltage Uo/U	AC 1000/1000V , DC1500/1500V
Max. DC voltage	1800V (conductor-conductor, non-earth system, circuit not under load)
AC Test Voltage	6.5 KV
DC Test Voltage	15 KV
Min. Surface resistance of sheath	$10^9\Omega$
Standard	IEC 62930:2017, EN 50618:2014, IEC/EN 60288 Class 5, DIN VDE 0295 Class 5TUV Approvals R50495554, RoHS compliant
Max. temperature at conductor	-40°C to 120°C
Temperature Range	-40°C to 90°C

CABLE CONSTRUCTION

Conductor Material	Fine wire stranded tinned copper according IEC/EN 60228 Class 5
Insulation Material	Halogen free, Copolymer Electron beam cross-linkes polyethylene (XLPE)
Jacket material	Halogen free, Copolymer Electron beam cross-linkes polyethylene (XLPE) with FR-LSZH



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TECHINICAL SPECIFICATION

Size (mm ²)	2.5 mm ²	4 mm ²	6 mm ²	10 mm ²
Insulation Thickness (mm)	0.70	0.70	0.70	0.70
Jacket Thickness (mm)	0.80	0.80	0.80	0.80
Jacket Diameter (mm)	5.05±0.3	5.40±0.3	6.30±0.3	7.20±0.3
Conductor Resistance at 20°C (Ω/Km)	≤ 8.21	≤ 4.85	≤ 3.25	≤ 1.95
Insulation Resistance at 20°C (MΩ/km)	≥ 690	≥ 580	≥ 500	≥ 420
Rated Current at 60°C (A)	41	55	70	98

ORDER INFORMATION

PRODUCT	PART NUMBER
Solar PV cable, 2.5mm	SC-SCPV2.5-BK
Solar PV cable, 4 mm	SC-SCPV4-BK
Solar PV cable, 6 mm	SC-SCPV6-BK
Solar PV cable, 10 mm	SC-SCPV10-BK