

TECHNICAL DATASHEET

ref.15441

100 METER SOLAR CABLE ROLL (6MM)

Technical specifications

Cover	
Average thickness	0.80mm
Min. Thickness	0.62mm
Material	Cross-linked polyethylene XLPE
Outer diameter	6.4±0.15mm



Conductor		Insulation	
Diameter	6mm ²	Average thickness	0.90mm
Material	Tinned copper wire	Min. Thickness	0.76mm
Outer diameter	3.00mm	Material	XLPE
Measurement	78/0.29±0.008mm	Outer diameter	4.8±0.1mm

Electrical specifications

Rated voltage	600V / 1000V
Maximum conductor temperature	120°C
Dielectric strength	AC 6500V / 1 second per minute
Spark test	AC 10000V / In the air
Conductor resistance	3.39ΩKM, max. 20°C
Weather and UV resistant	720h, does not crack
Lifetime	25 years

Physical specifications

Elongation before ageing	≥125%
Tensile strength of unaged values	≥12.5 N/mm ²
Ageing conditions	80±2.0°C
Elongation after ageing	≥80%
Tensile strength index after ageing	≥80%
Thermal shock test	150±2°C*1h
Cold impact test	-15±2°C*4h
Deformation test	121±1C*1h ≤50% (250gf)
Flame resistance	EN 60332
Length	100m