

PowerCo 6mm² Aluminium PV Cable

Applications

Is used as photovoltaic cable between solar modules and inverters in a photovoltaic system with a rated value $U_0 = 1.5\text{kV DC}$.

Wire & Cable Construction

Conductor Material	Class 5 flexible aluminium alloy
Construction (No/mm)	84/0.3±0.008
Cable Size	6.0mm ²

Insulation

Insulation Material	XLPE
Thickness (mm)	0.70

Sheath

Sheath Material	XLPE
Thickness (mm)	0.8
Outer Diameter	6.2±0.2

Electrical Properties

Rated Temperature	-40°C ~ 120°C
Rated Voltage	DC: 1500V
Max.Cond.Resistance at 20°C	5,05Ω/km
Reference Standard	TUV Rheinland 2 PFG 2642/01.22
Dielectric-Withstand test	6500VAC/5min

Physical Properties

Flame Retardant	IEC60332-1-2
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