

PowerCo 6mm² TCCAA 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	Tinned Copper Clad Aluminum Alloy
Cable Size	6.0mm ²

Insulation

Insulation Material	XLPE
Thickness (mm)	0.70

Sheath

Sheath Material	XLPE
Thickness (mm)	0.80
Outer Diameter	6.3±0.3

Electrical Properties

Rated Temperature	90°C
Rated Voltage	DC: 1500V
Max.Cond.Resistance	4.69Ω/km
Reference Standard	62930 IEC 131
Dielectric-Withstand	AC 6.5kV/5min

Physical Properties

Cold bend test	IEC600811-506
Flame test	IEC60332-1-2
Damp heat test	IEC60068-2-78
Sunlight resistance	IEC62930
Test on acid and alkali resistance	EN60811-2-1
Smoke density	IEC61034-2
Halogen acid release	IEC62821-1

