

Single core PV Cable

Dual wall insulation, electron beam cross-linked
 Excellent resistance to UV, water, ozone, fluids, salt, general weathering
 Excellent resistance to abrasion
 Halogen free, flame retardant, low toxicity
 Excellent flexibility and stripping performance
 High current carrying capacity
 TUV and UL approved



Specifications

Type	Cross section	Strand design	Conductor diameter	Conductor resistance	Outer diameter AxB	Rated voltage	Rated current
	mm ²	No. x ϕ (mm)	mm	Ω /km	mm	V AC/DC	A
PV-Ix1.5 mm ²	1.5	30 x ϕ 0.25	1.6	13.9	4.5	1000/1800	20
PV-Ix2.5 mm ²	2.5	50 x ϕ 0.25	2.0	8.06	5.3	1000/1800	30
PV-Ix4.0 mm ²	4.0	56 x ϕ 0.3	2.6	4.97	6.4	1000/1800	50
PV-Ix6.0 mm ²	6.0	84 x ϕ 0.3	3.3	3.52	7.2	1000/1800	70
PV-Ix10.0 mm ²	10.0	200 x ϕ 0.25	4.4	2.12	8.3	1000/1800	95
PV-Ix16.0 mm ²	16.0	224 x ϕ 0.3	5.2	1.95	9.5	1000/1800	140

Wire	Class 5, tinned
Insulation material	XLPE
Double insulated	
Halogen-free	
High resistance against oils, greases, oxygen and ozone	
Microbe-resistant	
UV resistant	
High wear and abrasion resistance	
Flam test according to	DIN EN 50265-2-1 UL1571(VW-1)
Smallest permissible bending radius	5XD
Temperature range	-40°C ~ +90°C
Colours	Black/red

