

TECHNICAL DATA SHEET

PVC BATTERY/WELDING CABLE

AM Part No's:- PVC16 - PVC150

PROFILE

Single insulated -30°C to 70°C flexible welding/battery cable designed for use in tough working environments..

600volt cable tested to ISO6722-1:2011 Clause 5.5.3.3

The cable is printed throughout its length with the information for size, stranding and Amp & Temperature Ratings.

INSULATION PROPERTIES

Soft semi-filled general Purpose Extrusion Grade PVC Insulation Compound

Tensile Strength	11.0 (Mpa)
Elongation at break	390%
Shore 'A' Hardness	66
BS Softness @ 24 hrs	60
Specific Gravity	1.46

COPPER STRAND PROPERTIES

Plain Annealed Copper Conductor

Copper Properties and Cable Dimensions

Part No.	Copper	Nom. Cross Section (mm ²)	Nom. Current Rating (amps)	Resistance @ 20°C (Ω/km)	Overall Dia (Max) (mm)	Nom. Rad Thickness (mm)
PVC16	203/0.3	16	110	1.317	8.20	1.35
PVC20	266/0.3	20	135	1.010	8.95	1.35
PVC25	322/0.3	25	170	0.843	10.05	1.50
PVC35	455/0.3	35	240	0.602	11.7 5	1.70
PVC40	539/0.3	40	300	0.503	12.70	1.70
PVC50	637/0.3	50	345	0.424	13.50	1.70
PVC60	805/0.3	60	415	0.337	14.95	1.90
PVC70	912/0.3	70	485	0.300	15.80	1.90
PVC95	684/0.4	95	500	0.206	17.90	2.10
PVC120	893/0.4	120	600	0.161	19.70	2.20
PVC150	1178/0.4	150	700	0.129	22.00	2.20