

# PVC Welding Cable

## H07V-K 450/750V



**C4675, C4676, C4677, C4678, C4679**

### Applications

Special application PVC insulated single core type H07V-K. Suitable for connecting between welding equipment and electrodes or grounding clamps for 100V(450/750V for non-welding applications if suitably protected from mechanical damage).

### Design

Unit	Properties
Conductor	Bare Copper flexible wire, 0.30mm strand
Sheath Material	Polyvinylchloride (PVC) Colour: Black
Standard Put Up Length	305 or 500 meters

\*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

### Physical Characteristics

Part Number	C4675	C4676	C4677	C4678	C4679
Cross section (mm <sup>2</sup> )	35	50	70	95	120
Nom. Overall Diameter (mm)	11.20	13.40	14.60	17.80	20.10
Operating Temperature (°C)	-5 to +70				
Max. temp. of short circuit	160°C (Max. 5 sec)				
Nominal Cable Weight (kg/km)	390	550	780	1020	1150
Max. bending radius (Fixed)	44.8	53.6	58.4	71.2	80.4
Max. bending radius (Mobile)	67.2	80.4	87.6	106.8	120.6

### Electrical Characteristics (at 20°C)

Part Number	C4675	C4676	C4677	C4678	C4679
Max. DC Resistance Conductor (Ω/km)	0.554	0.386	0.272	0.206	0.161
Current Capacity Amps of conductor at 60%	290	365	460	560	650
Current Capacity Amps of conductor at 35%	375	480	600	730	850
Test Voltage (V)	2000				
Max. Operating Voltage (Vrms)	100				

### Reference Standards

EN 60228	RoHS Directives
EN 60227-1-2-3	