



PVC WELDING CABLE

- More Tensile
- High Durability
- Acids Resistant
- PVC Heat Resistant

**REAL
COPPER**



**Super
SUNFLEX**

Welding Cable (3C Standard) GB5013.6-1997

Type	Description	Application
YH (245 ICE 81)	SBR insulated & sheath Welding Cable	Be used in connecting the secondary side of a welder and electrode holder of secondary side against ground voltage 200VAC and pulsation peak value 400V welder.
YH (245 ICE 82)	SBR insulated & Neoprene sheathed welding cable	Be used in connecting the secondary side of a welder and electrode holder of secondary side against ground voltage 200VAC and pulsation peak value 400V welder (Outdoor & Oil-proof type)
PVC (225 ICE 78)	PVC sheathed welding cable	Be used in connecting the secondary side of a welder and electrode holder of secondary side against ground voltage 200VAC and pulsation peak value 400V welder.

■ Using Feature:

Max. permissible continuous operating temperature of the conductor be +65°C.
 AC resistance of cores at 20°C should be subjected to testing standard.
 Cable can endure Voltage test/5min. of 500Hz2000V & mustn't be broken down after cable be soaked into R.T. water for 6 Hours.

Nominal cross Sectional area mm ²		Average external dia mm		Calculated weight of cable kg/km		Maximum resistance of conductor at 20°C. Ω/km
		Lower limit	Upper limit			Copper conductor
100 A	10	7.5	9.7	105	131	1.91
120 A	16	9.2	11.5	160	199	1.16
200 A	25	10.5	13.0	234	291	0.758
300 A	35	11.5	14.5	321	400	0.536
400 A	50	13.5	17.0	449	533	0.379
500 A	70	15.0	19.5	608	730	0.268
600 A	95	17.0	22.0	798	958	0.198
700 A	120	19.0	24.0	1008	1234	0.161
800 A	150	21.0	27.0	1249	1501	0.129

Belows are different cable length according to different currents to choose the suitable cable sectional area of conductor.

	20 M	30 M	40 M	50 M	60 M	70 M	80 M	90 M	100 M
100A	16	25	25	35	35	50	50	60	60
150A	25	35	35	50	50	60	60	70	70
200A	25	35	35	50	50	60	60	70	70
300A	35	50	50	60	60	70	70	85	85
400A	50	60	60	70	70	85	85	95	95
500A	60	70	70	85	85	95	95	120	120
600A	70	85	85	95	95	120	120	135	135

The cable length under 20 meters, no effects from voltage drop, it is calculated by 4-10A per square mm.