

ELECTRICAL DATA

Item Code	Nominal Area (mm ²) per Core	Nominal O.D (mm)	5 Minute Cycle (Welding) AS1995 Amps Duty Cycle %			
			100	60	30	25
WC16	16	9.3	125	137	169	181
WC25	25	10.5	165	188	239	257
WC35	35	11.7	205	238	309	334
WC50	50	13.6	260	308	407	440
WC70	70	15.6	325	391	523	567
WC95	95	17.8	390	476	644	700

TYPICAL PROPERTIES

Item Code	Conductor No/Dia. (mm)	Nominal Area (mm ²) per Core	Insulation Thickness	Sheath Thickness	Electrical Resistance @20°C ohm/km	Nominal O.D (mm)	Mass (kg/100m)
WC16	511/0.2	16	0.8	1.2	1.21	10.5	19.6
WC25	792/0.2	25	0.8	1.2	0.78	12.2	27.4
WC35	1121/0.2	35	0.8	1.2	0.554	13.5	37.2
WC50	1596/0.2	50	0.9	1.3	0.386	15.5	51.8
WC70	2212/0.2	70	0.9	1.5	0.272	17.4	70.4
WC95	3021/0.2	95	1.0	1.6	0.206	19.5	94.1

WELDING CABLE SIZE

Current (amps)	Recommended Cable Size (mm ²) For combined length of electrode and ground cables in meters									
	20	40	60	80	100	125	150	175	200	250
100	25	25	35	50	50	70	95	95	95	2/70
150	25	25	50	70	70	95	2/70	2/70	2/95	2/95
200	25	50	70	95	95	2/70	2/70	2/95	2/95	(a)
250	35	50	95	95	2/70	2/95	2/95	(a)	(a)	(a)
300	35	70	95	2/70	2/70	2/95	(a)	(a)	(a)	(a)
350	50	70	2/70	2/70	2/95	(a)	(a)	(a)	(a)	(a)
400	50	95	2/70	2/95	(a)	(a)	(a)	(a)	(a)	(a)
500	70	95	2/95	2/95	(a)	(a)	(a)	(a)	(a)	(a)
550	70	2/70	2/95	(a)	(a)	(a)	(a)	(a)	(a)	(a)
600	95	2/70	2/95	(a)	(a)	(a)	(a)	(a)	(a)	(a)

- NBR/NBR sheath for toughness and flexibility
- V90HT (105°C) rating
- Premium 100% oxygen free copper
- Extra fine conductors for flexibility
- Excellent chemical resistance
- UV stable

WELDARC



Applications: Welding work and electrode leads (To AS/NZS 3191:2008)

Manufacturing Standards: AS/NZS1125, AS/NZS3808, IEC60332-1, IEC60228 & RoHS Compliant

Conductor: Flexible plain copper wire stranding. Class 6 to AS1125

Insulation: Nitrile modified PVC (NBR) to comply with AS3808 V90HT (105°C)

Core Colour: White

Sheath: Nitrile modified PVC (NBR) to comply with AS3808 V90HT (105°C)

Sheath Colour: Orange

Pack: 100 Meters, bulk reel