





APPLICATION Ultra high performance flexible welding lead, double insulated for longer life and added safety. The combination of high performance insulation and sheathing materials offers protection from petroleum products, common solvents, UV exposure, ozone and other substances commonly found on an industrial site or engineering workshop.	STANDARD	AS/NZS 5000.1
	VOLTAGE	600/1000V
	CONDUCTOR INSULATION	Annealed Copper V-90 PVC
	SHEATH	Vinyl-Nitrile Rubber, Type 5V-90 Tangerine 16 – 120mm ² Black 150 – 300mm ²
	MAX. OPERATING TEMP.	90°C

Item Number	Conductor		Overall Diameter (Nominal) mm	Approx. Mass kg/km	Minimum Bending Radius (Installed) mm
	mm ²	Makeup			
DC980 S/F	16	511/0.20	10.4	250	65
DC1000 S/F	25	792/0.20	12.4	360	75
DC1010 S/F	35	1121/0.20	13.7	470	85
DC1020 S/F	50	703/0.30	15.9	650	95
DC1030 S/F	70	988/0.30	17.6	940	110
DC1040 S/F	95	1332/0.30	20.1	1170	125
DC1050 S/F	120	608/0.50	21.9	1410	135
DC1060 S/F	150	765/0.50	24.3	1850	150
DC1070 S/F	185	962/0.50	27.0	2250	165
DC1080 S/F	240	1221/0.50	30.2	2890	185

CONDUCTOR Nominal Area mm ²	ELECTRICAL CHARACTERISTICS						Maximum DC Resistance @20°C Ω/km
	CURRENT RATING (a)						
	flexible continuous		5 minute duty cycle				
	Protected from Sun  	Exposed to Sun  	Maximum duty cycle, percent				
100			60	30	25		
	A	A	A	A	A	A	
16	85	63	125	137	169	181	1.21
25	114	83	165	188	239	257	0.780
35	141	103	205	238	309	334	0.554
50	178	128	260	308	407	440	0.386
70	225	161	325	391	523	567	0.272
95	271	192	390	476	644	700	0.206
120	322	226	455	559	762	829	0.161
150	372	260	535	661	904	985	0.129
185	427	296	600	747	1027	1120	0.106
240	514	352	715	895	1236	1348	0.0801

(a) Based on 40°C ambient air temperature.

The above information is from the following sources:

AS/NZS 1995:2003 (table B2)
AS/NZS 3008.1.1:2009 (tables 4, 7, 15, 46)
AS 1125:2001 (table 2.5)

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