

1. CONNECTING WIRES

UNSCREENED - PVC INSULATED

USE: Internal wiring of communications and general electronic equipment.

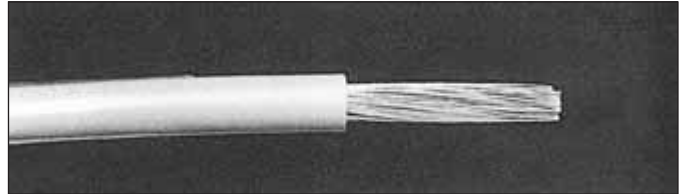
PACK: 100 or 500 metre reels

INSULATION: V-90 HT

COLOURS: Red, blue, green, yellow, white, black, brown, violet, orange, pink, grey/slate.

DUAL COLOURS Available on request

The voltage rating given is generally in accordance with Defence specifications DEF 61-12(Part 6) and DEF(Aust)8008.



SOLID CONDUCTORS

NEAREST AWG	APPROX AREA SQ mm	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	NOMINAL DIA (mm)	VOLTAGE MAX RMS	HARTLAND PART
26	0.125	1/0.40 TC	0.25	0.90	750	HC0069
24	0.196	1/0.50 TC	0.25	1.00	750	HC0072
23	0.283	1/0.60 TC	0.20	1.00	750	HC0077

STRANDED CONDUCTORS

NEAREST AWG	APPROX AREA SQ mm	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	NOMINAL DIA (mm)	VOLTAGE MAX RMS	HARTLAND PART
27	0.11	21/0.08 BC	0.25	0.96	750	HC0001
24	0.22	7/0.20 TC	0.20	1.00	750	HC0026
24	0.22	7/0.20 TC	0.30	1.20	1000	HC0028
22	0.34	7/0.25 TC	0.38	1.54	1000	HC0047
20	0.50	10/0.25 TC	0.38	1.77	1000	HC0049
20	0.50	16/0.20 TC	0.30	1.52	1000	HC0032
18	0.75	24/0.20 TC	0.45	2.03	1000	HC0035
17	1.00	32/0.20 TC	0.45	2.20	1000	HC0041
13	2.50	50/0.25 BC	0.65	3.60	1500	HC0054
11	4.00	80/0.25 BC	1.00	4.70	1500	HC0057
10	5.50	112/0.25 BC	0.90	5.20	1500	HC0058
9	6.00	120/0.25 BC	0.90	5.30	1500	HC0059
7	10.00	200/0.25 TC	1.00	7.10	1500	HC0060

TWISTED CONNECTING WIRES - JUMPER WIRES

USE: Wiring of electronic equipment and the interconnection of telephone frames.

PACK: 500 metre reels

INSULATION: V-90 HT PVC

COLOUR CODE: 2 Core - White + Red; 4 Core - White + Red + Blue + Black; Other colours on request.

NEAREST AWG	NUMBER OR CORES	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	HARTLAND PART
24	2	1/0.50 TC	0.20	HC2X72
24	4	1/0.50 TC	0.20	HC4X72
26	2	1/0.40 TC	0.20	HC2X69
26	4	1/0.40 TC	0.20	HC4X69

NOTE: These cables are not suitable for direct connection to mains supply.

• NOT ALL SIZES AND COLOURS ARE AVAILABLE EX STOCK, MINIMUM ORDER QUANTITY WILL APPLY FOR SOME ITEMS.

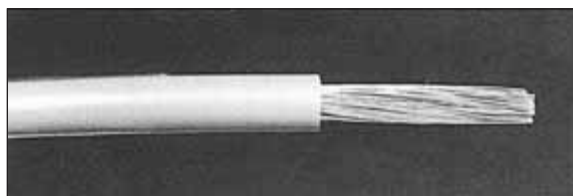
1. SINGLE CORE FLEXIBLE CABLES

UNSCREENED - 250 VOLT OR 0.6/KV OPERATION

USE: Internal wiring of electronic equipment.

PACK: 100 or 500 metre reels

COLOURS: Red, blue, yellow, white, black, brown, violet, orange, pink, grey, green green/yellow



INSULATION: V-90 HT PVC or Silicone rubber as indicated.

DUAL COLOURS Available on request

NOTE: These connecting wires are made in accordance to AS3191 or AS3178.

250/250 VOLT RATING - V-90 HT PVC INSULATED

APPROX AREA SQ mm	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	NOMINAL DIA (mm)	HARTLAND PART
0.50	16/0.20 TC	0.6	2.2	HC6001
0.75	24/0.20 TC	0.6	2.4	HC6002
1.00	32/0.20 TC	0.6	2.6	HC6003
1.50	30/0.25 TC	0.7	3.0	HC6004
2.50	50/0.25 TC	0.8	3.7	HC6005

0.6/1 KV RATING - V-90 HT PVC INSULATED

APPROX AREA SQ mm	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	NOMINAL DIA (mm)	HARTLAND PART
0.50	16/0.20 TC	0.8	2.6	HC6101
0.75	24/0.20 TC	0.8	2.8	HC6102
1.00	32/0.20 TC	0.8	3.0	HC6103
1.50	30/0.25 TC	0.8	3.2	HC6104
2.50	50/0.25 TC	0.9	3.9	HC6105
4.00	56/0.30 TC	1.00	5.40	HC6106
6.00	84/0.30 TC	1.00	5.50	HC6107

0.6/1 KV RATING - 150 DEG C SILCONE RUBBER INSULATED

APPROX AREA SQ mm	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	NOMINAL DIA (mm)	HARTLAND PART
0.50	16/0.20 TC	1.0	3.0	HC6201
0.75	24/0.20 TC	0.8	2.8	HC6202
1.00	32/0.20 TC	0.8	3.0	HC6203
1.50	30/0.25 TC	0.8	3.3	HC6204
2.50	50/0.25 TC	1.0	4.0	HC6205
4.00	56/0.30 TC	1.2	4.7	HC6206

0.6/1 KV RATING - 200 DEG C SILCONE RUBBER INSULATED

APPROX AREA SQ mm	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	NOMINAL DIA (mm)	HARTLAND PART
0.50	16/0.20 TC	1.0	3.0	HC6301
0.75	24/0.20 TC	0.8	2.8	HC6302
1.00	32/0.20 TC	0.8	3.0	HC6303
1.50	30/0.25 TC	0.8	3.3	HC6304
2.50	50/0.25 TC	1.0	4.0	HC6305
4.00	56/0.30 TC	1.2	4.7	HC6306

• NOT ALL SIZES AND COLOURS ARE AVAILABLE EX STOCK, MINIMUM ORDER QUANTITY WILL APPLY FOR SOME ITEMS.

1. CONNECTING WIRES (Cont.)

UNSCREENED - UL APPROVED

USE: Internal wiring of electronic equipment requiring UL Approval.

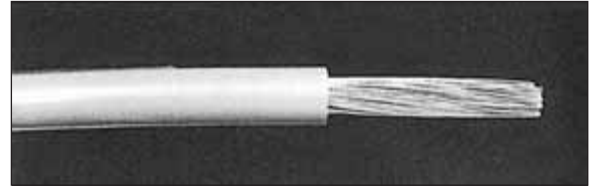
PACK: 100 or 500 metre reels

COLOURS: Red, blue, yellow, white, black, brown, violet, orange, pink, grey, green, turquoise.

INSULATION: V-90 HT PVC

DUAL COLOURS Available on request

Not all colours are available in all sizes.



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STYLE 1007 RATING: 300 volts d.c. @ 80 degrees Celcius.

USE: Internal wiring of electrical appliances



AWG	CONDUCTOR STRANDING	INSULATION THICKNESS (mm)	NOMINAL DIA (mm)	HARTLAND PART
30	7/0.10 TC	0.38	1.06	HC30UL1007
28	7/0.12 TC	0.38	1.12	HC28UL1007
27	21/0.08 BC	0.38	1.18	HC27UL1007
26	1/0.40 TC	0.38	1.16	HC26UL1007S
26	26/0.08 TC	0.38	1.23	HC26UL1007
24	7/0.20 TC	0.38	1.36	HC24UL1007
22	7/0.25 TC	0.38	1.52	HC22UL1007
20	10/0.25 TC	0.38	1.69	HC20UL1007
19	24/0.20 TC	0.38	1.89	HC19UL1007
18	16/0.25 TC	0.38	1.93	HC18UL1007
17	34/0.20 TC	0.38	2.11	HC17UL1007
16	30/0.25 TC	0.38	2.36	HC16UL1007

STYLE 1569: RATING: 300volts d.c. @ 105 degrees Celcius

USE: Internal wiring of electrical appliances



AWG	CONDUCTOR STRANDING	INSULATION THICKNESS (mm)	NOMINAL DIA (mm)	HARTLAND PART
30	7/0.10 TC	0.38	1.06	HC30UL1569
28	7/0.12 TC	0.38	1.12	HC28UL1569
27	21/0.08 BC	0.38	1.18	HC27UL1569
26	1/0.40 TC	0.38	1.16	HC26UL1569S
26	26/0.08 TC	0.38	1.23	HC26UL1569
24	7/0.20 TC	0.38	1.36	HC24UL1569
22	7/0.25 TC	0.38	1.52	HC22UL1569
20	10/0.25 TC	0.38	1.69	HC20UL1569
19	24/0.20 TC	0.38	1.89	HC19UL1569
18	16/0.25 TC	0.38	1.93	HC18UL1569
17	34/0.20 TC	0.38	2.11	HC17UL1569
16	30/0.25 TC	0.38	2.36	HC16UL1569

NOTE: These cables are not suitable for direct connection to the mains supply.

NOTE 2: Other UL approved connecting wires are available on request.

• NOT ALL SIZES AND COLOURS ARE AVAILABLE EX STOCK, MINIMUM ORDER QUANTITY WILL APPLY FOR SOME ITEMS.

1. CONNECTING WIRES (Cont.)

STYLE 1015 RATING: 750 Volts d.c. at 105 degrees Celsius.



USE: Internal wiring of electrical appliances



AWG	CONDUCTOR STRANDING	INSULATION THICKNESS (mm)	NOMINAL DIA (mm)	HARTLAND PART
28	7/0.12 TC	0.76	1.88	HC28UL1015
27	21/0.08 BC	0.76	1.95	HC27UL1015
26	26/0.08 BC	0.76	1.99	HC26UL1015
24	7/0.20 TC	0.76	2.12	HC24UL1015
22	7/0.25 TC	0.76	2.29	HC22UL1015
20	10/0.25 TC	0.76	2.45	HC20UL1015
19	24/0.20 TC	0.76	2.65	HC19UL1015
18	16/0.25 TC	0.76	2.69	HC18UL1015
17	34/0.20 TC	0.76	2.87	HC17UL1015
16	30/0.25 TC	0.76	3.12	HC16UL1015
13	50/0.25 TC	0.76	3.60	HC13UL1015
11	80/0.25 TC	0.76	4.14	HC11UL1015

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1. CONNECTING WIRES (Cont.)

SCREENED PVC INSULATED CONNECTING WIRES

USE: Screened flexible wiring for audio and other electronic equipment.

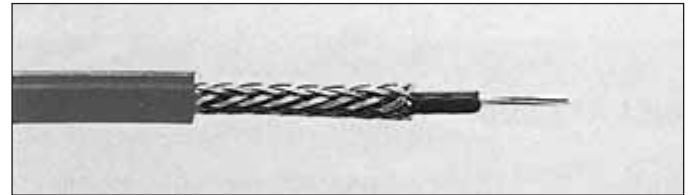
PACK: 100 or 500 metre reels

INSULATION: V-90 HT PVC or Polyethylene as indicated

SHEATH: Grey V75 PVC
Other material and colours on request

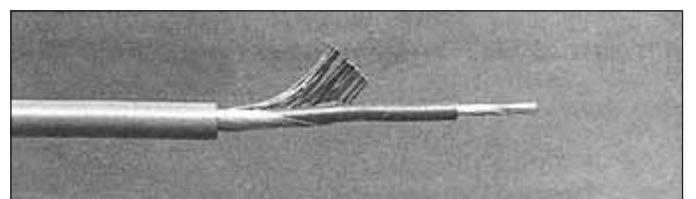
SCREEN: As indicated below for each cable type

The voltage rating given is generally in accordance with Defence specifications DEF 61-12(Part 6) and DEF(Aust)8008.



TINNED COPPER WIRE BRAID SCREEN

NEAREST AWG	CONDUCTORS NO/DIA (mm)	INSULATION TYPE THICKNESS (mm)	NOMINAL DIA (mm)	VOLTAGE MAX RMS	HARTLAND PART
27	21/0.08 BC	PVC 0.20	2.0	750	HC1101
24	7/0.20 TC	PVC 0.30	2.8	1000	HC1128
24	7/0.20 TC	PVC 0.45	3.3	1000	HC1129
20	16/0.20 TC	PVC 0.30	3.3	1000	HC1132
18	24/0.20 TC	PVC 0.45	4.1	1000	HC1135



SPIRAL LAPPED TINNED COPPER SCREEN

NEAREST AWG	CONDUCTORS NO/DIA (mm)	INSULATION TYPE THICKNESS (mm)	NOMINAL DIA (mm)	VOLTAGE MAX RMS	HARTLAND PART
27	21/0.08 BC	PVC 0.20	2.0	750	HC1201
25	14/0.12 TC	PE 0.38	2.8	1000	HC1512
24	7/0.20 TC	PVC 0.45	3.2	1000	HC1229
20	16/0.20 TC	PVC 0.30	3.2	1000	HC1232
20	24/0.20 TC	PVC 0.45	3.8	1000	HC1235

NOTE: These cables are not suitable for direct connection to mains supply.

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