

6. AUDIO CABLES

GENERAL PURPOSE TWIN CORE CABLES

USE: Transmission of sound, broadcast and audio signals.

PACK: 100 or 500 metre reels.

INSULATION: V-90 HT PVC, polyethylene or polypropylene as indicated.

SHEATH: Standard Grey V75 PVC, other materials or colours on request.

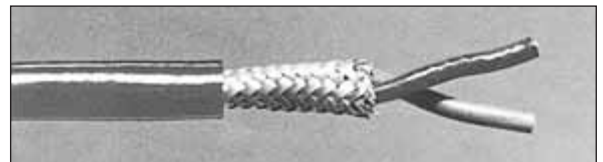
SCREEN: As indicated for each cable type below.

COR COLOURS: Standard colours as indicated - other colours on request.



UNSCREENED

NEAREST AWG	CONDUCTORS NO/DIA (mm)	INSULATION TYPE THICKNESS (mm)	CORE COLOURS	SHEATH TYPE DIA (mm)	HARTLAND PART
24	7/0.20 TC	PVC 0.25	BU + WW	PVC 3.50	HC2027
22	7/0.25 TC	PVC 0.38	RR + BK	PVC 4.95	HC2047
20	16/0.20 TC	PVC 0.30	RR + BK	PVC 4.95	HC2032



TINNED COPPER WIRE BRAID SCREEN

NEAREST AWG	CONDUCTORS NO/DIA (mm)	INSULATION TYPE THICKNESS (mm)	CORE COLOURS	SHEATH TYPE DIA (mm)	HARTLAND PART
27	21/0.08 BC	PVC 0.20	RR + BK	PVC 3.10	HC2101
24	7/0.20 TC	PVC 0.25	BU + WW	PVC 3.30	HC2127
22	7/0.25 TC	PVC 0.38	RR + BK	PVC 4.90	HC2147
20	16/0.20 TC	PVC 0.30	RR + WW	PVC 5.10	HC2132



SPIRAL LAPPED TINNED COPPER WIRE SCREEN

NEAREST AWG	CONDUCTORS NO/DIA (mm)	INSULATION TYPE THICKNESS (mm)	CORE COLOURS	SHEATH TYPE DIA (mm)	HARTLAND PART
27	21/0.08 BC	PVC 0.20	RR + BK	PVC 3.05	HC2201
24	7/0.20 TC	PVC 0.25	RR + BK	PVC 3.05	HC2227
22	7/0.25 TC	PVC 0.38	RR + BK	PVC 4.70	HC2247
20	16/0.20 TC	PVC 0.30	RR + WW	PVC 4.70	HC2232
18	24/0.20 TC	PVC 0.45	RR + BK	PVC 6.00	HC2235

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.

6. AUDIO CABLES (Cont.)

GENERAL PURPOSE TWIN CORE CABLES (Cont.)

USE: Transmission of sound, broadcast and audio signals.



ALUMINIUM FOIL SCREEN WITH TINNED COPPER DRAIN WIRE

NEAREST AWG	CONDUCTORS NO/DIA (mm)	INSULATION TYPE THICKNESS (mm)	CORE COLOURS	SHEATH TYPE DIA (mm)	HARTLAND PART
24	7/0.20 TC	PVC 0.25	BU + WW	PVC 3.60	HC2327
24	7/0.20 TC	PP 0.30	BU + WW	PVC 4.10	HCK601
24	1/0.50 TC	PE 0.20	WW+ BN	PVC 3.00	HC2772
22	7/0.25 TC	PE 0.38	BK + CL	PVC 4.50	HC2747
20	16/0.20 TC	PVC 0.30	RR + WW	PVC 4.70	HC2332
18	24/0.20 TC	PVC 0.45	RR + BK	PVC 5.50	HC2335
18	16/0.25 TC	PE 0.45	BK + CL	PVC 5.60	HC2763

AXLINK CABLE

HCY662

Screened control cable which acts as a master to slave with power.



CONSTRUCTION

1 pair 7/0.25mm BC PVC (white and blue) O/A aluminium polyester screen and two cores 16/0.25mm BC PVC (red and black) laid up together and O/A PVC sheath.

Nom. O/D: 6.50mm

Colour: Light Green

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

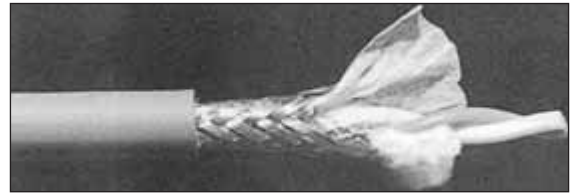
• NOT ALL SIZES AND COLOURS ARE AVAILABLE EX STOCK, MINIMUM ORDER QUANTITY WILL APPLY FOR SOME ITEMS.

6. AUDIO CABLES (Cont.)

MICROPHONE CABLES

USE: These cables are for use with hand held microphone.

PACK: 100 or 500 metre reels.



GENERAL PURPOSE - GREY V75 PVC SHEATH - Other colours on request.

NEAREST AWG	CORES	CORE COLOURS	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	SHEATH DIA (mm)	SCREEN	HARTLAND PART
24	1 Pair	RR + BK	7/0.20 TC	PVC 0.45	4.95	TC Braid	HC2129
20	1 Pair	RR + WW	16/0.20 TC	PVC 0.30	5.10	TC Braid	HC2132

SPECIAL HI-FLEX PVC SHEATH - Standard colour black - Other colours on request.*

NEAREST AWG	CORES	CORE COLOURS	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	SHEATH DIA (mm)	SCREEN	HARTLAND PART
21	1 Pair	BU + WW	30/0.12 BC	PE 0.50	6.5	TC Braid	HC2522
24	1 Quad	2BU + 2WW	42/0.08 BC	PE 0.45	6.3	TC Braid	HCX130
24	1 Pair	RR + BK	7/0.20 TC	PVC 0.45	6.0	BC Spiral Lap	HCY339
24	1 Pair	BU + WW	42/0.8 BC	PE 0.45	6.5	TC Braid	HCX011

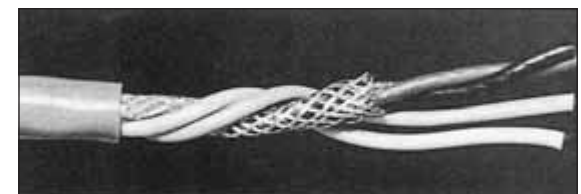
*HC2522 and HCX130 available in Red, Blue and Yellow.

SPECIAL PURPOSE MICROPHONE CABLES

USE: These cables are for use with microphones where an additional control pair of cables is required.

PACK: 100 or 500 metre reels.

SHEATH: Grey V75 PVC - Other colours on request.



NEAREST AWG	CORES	CORE COLOURS	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	SHEATH DIA (mm)	SCREEN	HARTLAND PART
24	4	RR + BK YY + BU	7/0.20 TC	PVC 0.45	5.9	TC Braid	HCZ137
22	4	RR + BK YY + BU	7/0.25 TC	PVC 0.38	5.5	Al foil and drain	HCZ913
20	4	RR + BK YY + BU	16/0.20 TC	PVC 0.30	6.0	TC Braid	HCZ253

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.

6. AUDIO CABLES (Cont.)

SPEAKER CABLES

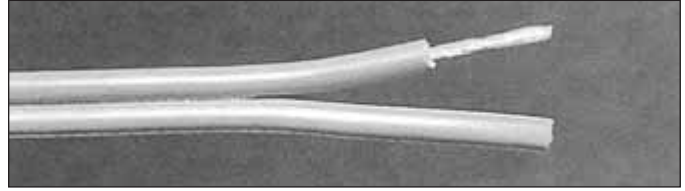
FIGURE 8 CONSTRUCTION - STANDARD

PACK: 100 or 500 metre reels.

INSULATION: V-90 HT PVC

CONDUCTORS: Bare copper wire.

COLOURS: Standard colours - grey with black stripe, white with black stripe, black with white stripe, and red with black stripe. Other colours on request.



NOMINAL AREA SQ mm	CONDUCTORS NO/DIA (mm)	INSULATION TYPE THICKNESS (mm)	NOMINAL SIZE (mm)	HARTLAND PART
0.36	7/0.25 BC	PVC 0.50	3.80 x 1.80	HC3321
0.50	16/0.20 BC	PVC 0.40	3.80 x 1.80	HC3301
0.75	24/0.20 BC	PVC 0.90	3.9 x 1.9	HC3302
1.00	32/0.20 BC	PVC 0.80	6.35 x 3.1	HC3303
1.50	30/0.25 BC	PVC 0.80	7 x 3.00	HC3315
2.00	40/0.25 BC	PVC 0.80	7.1 x 3.4	HC3304
2.50	50/0.25 BC	PVC 1.00	8.6 x 4.2	HC3314
3.00	63/0.25 BC	PVC 1.00	8.80 x 4.30	HC3305
4.00	80/0.25 BC	PVC 1.00	9.40 x 4.60	HC3306

100 VOLT INLINE DOUBLE INSULATED CABLE

PACK: 100 or 500 metre reels.

INSULATION: V-75 PVC

CONDUCTORS: Bare copper wire.

SHEATH: V-75 PVC

COLOURS: Black, Brown, White.

NOMINAL AREA SQ mm	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	NOMINAL SIZE (mm)	HARTLAND PART
0.75	24/0.20 BC	0.45	0.60	5.20 x 3.20	HC2035 FLT

FIGURE 8 CONSTRUCTION - CLEAR SUPER FLEX TYPE

PACK: 100 or 500 metre reels.

INSULATION: V-90 HT PVC

CONDUCTORS: Bare copper wire.

SHEATH: Clear with stripe.

USE: Extra fine stranding Fig 8 cables for additional flexibility.

NOMINAL AREA SQ mm	CONDUCTORS NO/DIA (mm)	INSULATION TYPE THICKNESS (mm)	NOMINAL SIZE (mm)	HARTLAND PART
1.50	85/0.15 BC	PVC 1.34	9.4 x 4.60	HC3317
2.00	113/0.15 BC	PVC 1.50	10.0 x 4.9	HC3319
3.00	169/0.15 BC	PVC 1.50	11.8 x 5.8	HC3318
4.00	226/0.15 BC	PVC 1.50	12.0 x 6.1	HC3323

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

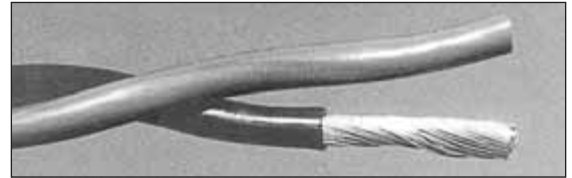
• NOT ALL SIZES AND COLOURS ARE AVAILABLE EX STOCK, MINIMUM ORDER QUANTITY WILL APPLY FOR SOME ITEMS.

6. AUDIO CABLES (Cont.)

SPEAKER CABLES (Cont.)

STRANDARD CONDUCTORS - CABLES

- PACK:** 100 or 500 metre reels.
INSULATION: V-90 HT PVC
CONDUCTORS: Bare copper wire.
COLOURS: Red and Black
 NB Other colours and sizes available on request.



NOMINAL AREA SQ mm	CONDUCTORS NO/DIA (mm)	INSULATION TYPE THICKNESS (mm)	NOMINAL SIZE (mm)	HARTLAND PART
1.25	25/0.25 BC	PVC 0.5	5.1	HC2X52
2.50	50/0.25 BC	PVC 0.65	7.1	HC2X54
4.00	80/0.25 TC	PVC 0.7	7.9	HC2X61

ALUMINIUM FOIL SCREENED

- PACK:** 100 or 500 metre reels or drums.
INSULATION: V-90 HT PVC
CONDUCTOR COLOURS: As indicated
SHEATH: Standard black V75 PVC - Other materials and colours on request.

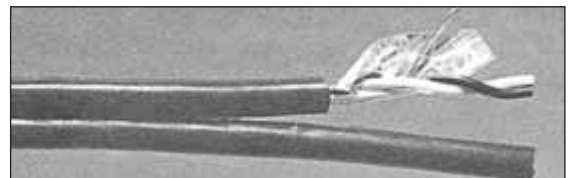


NOMINAL AREA SQ mm	CORE COLOURS	CONDUCTORS NO/DIA (mm)	INSULATION TYPE THICKNESS (mm)	NOMINAL SIZE (mm)	HARTLAND PART
1.5	BK + WW	7/0.50 BC	PVC 0.50	6.9	HC2375
3.0	RR + BK	63/0.25 BC	PVC 0.50	9.1	HC2356

FIGURE 8 STEREO CABLE

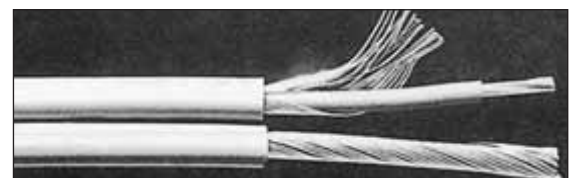
A screened stereo cable constructed to provide easy separation at each end.

- PACK:** 100 or 500 metre reels or drums.
INSULATION: V-90 HT PVC
SHEATH: Grey V75 PVC
SCREEN: Aluminium foil with drain wire.
CORE COLOURS: Pair 1 (Red + White), Pair 2 (Black + Yellow), HCY076 (White + Green), Pair 2 (Red + Black) HCY076 NSW



NEAREST AWG	CONDUCTORS NO/DIA (mm)	INSULATION TYPE THICKNESS (mm)	NOMINAL SIZE (mm)	HARTLAND PART
24	7/0.20 TC	PVC 0.25	3.5 x 7.2	HCY076
24	7/0.20 TC	PVC 0.25	3.5 x 7.2	HCY076 NSW

PARALLEL TWIN SPIRAL LAPPED TINNED COPPER SCREEN



NEAREST AWG	CONDUCTORS NO/DIA (mm)	INSULATION TYPE THICKNESS (mm)	CORE COLOURS	SHEATH TYPE DIA (mm)	HARTLAND PART
25	14/0.12 TC	PE 0.38	BK + CL	PVC 5.2 x 2.5	HC3312

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

6. AUDIO CABLES (Cont.)

SUPER V.G.A. CABLE

3 MINIATURE COAXS AND 7 CONTROLS

SUITABLE FOR THE COMPUTER
AND VIDEO INDUSTRY.



HARTLAND
PART

HC3CV7C

3 Mini 75 Ohm Coax + 7 Core 7/.2 Connection Wires, Overall Ali Screen_Tinned Copper Braid Screen.
Nominal Overall Diameter: 8.5mm

Possible Application: Svga Monitor Cable (Ddc Compliant)

SPECIALIZED COAXIAL CABLES

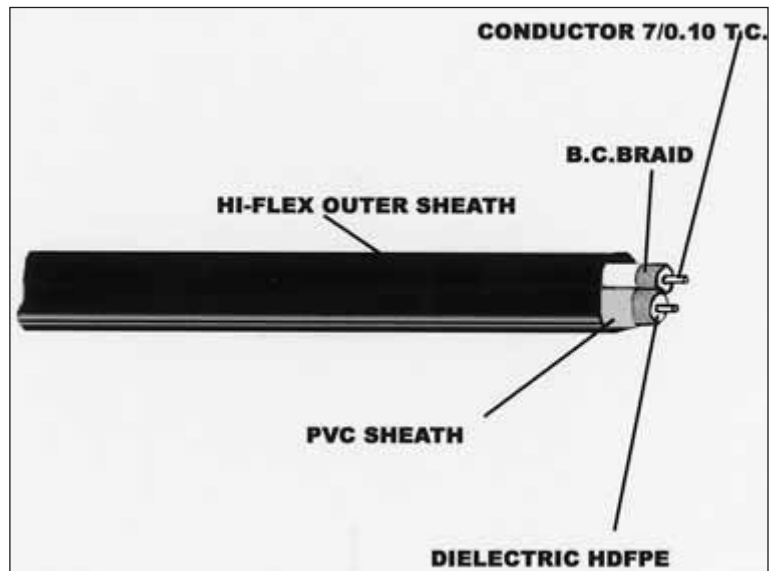
SVHS CABLE

TWIN MINIATURE COAXIAL CABLE each core has a BARE COPPER BRAID SCREEN WITH 93% COVERAGE.

USE: THESE CABLES ARE FOR USE IN THE AUDIO/VIDEO INDUSTRY IDEAL FOR LONG RUNS.

PACK: 100 OR 500 METRE REELS.

SHEATH: GREY HI-FLEX PVC METRE MARKED, BLACK SHEATH WITH NO PRINT AVAILABLE.



75 OHM TYPES

TYPE	CONDUCTOR	DIELECTRIC TYPE DIA (mm)	SCREEN	CAPACITANCE	NOMINAL DIA (mm)	HARTLAND PART
Miniature	7/0.10 TC	HDFPE 1.57	TC Braid	56	6.7mm	HCY563

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.

6. AUDIO CABLES (Cont.)

MULTI-CHANNEL ALUMINIUM FOIL SCREENED CABLES

- PACK:** 100 or 500 metre reels.
- INSULATION:** V-90 HT PVC, polyethylene, or high density foam polyethylene as indicated.
- SHEATH:** Standard grey V75 PVC - Other materials and colours on request.
- SCREEN:** Each pair has an individual aluminium/ polyester screen & tinned copper drain wire.
- CONDUCTOR COLOURS:** As per chart C of section 10 unless otherwise noted.



HCYP SERIES - Screens are electrically isolated by foil folding and an additional polyester tape is wrapped around each pair for extra mechanical protection.

NOTE: HCYP04 IS AUSTEL APPROVED

USE: Multi-channel microphone applications requiring frequent cable movement.

NEAREST AWG	NO OF PAIRS	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	SHEATH DIA (mm)	SCREEN	HARTLAND PART
24	2	7/0.20 TC	PE 0.25	6.2	Al foil + drain	HCYP02
24	4	7/0.20 TC	PE 0.25	7.3	Al foil + drain	HCYP04
24	6	7/0.20 TC	PE 0.25	8.2	Al foil + drain	HCYP06
24	8	7/0.20 TC	PE 0.25	9.0	Al foil + drain	HCYP08
24	10	7/0.20 TC	PE 0.25	9.6	Al foil + drain	HCYP10
24	12	7/0.20 TC	PE 0.25	10.5	Al foil + drain	HCYP12
24	16	7/0.20 TC	PE 0.25	12.5	Al foil + drain	HCYP16
24	24	7/0.20 TC	PE 0.25	15.2	Al foil + drain	HCYP24
24	32	7/0.20 TC	PE 0.25	17.2	Al foil + drain	HCYP32
24	40	7/0.20 TC	PE 0.25	21.0	Al foil + drain	HCYP40

HCYN SNAKE SERIES - Each pair has an individual aluminium foil screen with drain wire and its own pvc jacket. Individual cores have a jacket diameter of 2.82mm. NB. All pair colours are red and black.

USE: Multi-channel microphone applications requiring frequent cable movement.

NEAREST AWG	NO OF PAIRS	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	SHEATH DIA (mm)	SCREEN	HARTLAND PART
24	2	7/0.20 TC	PE 0.25	7.10	Al foil + drain	HCYN02
24	4	7/0.20 TC	PE 0.25	8.43	Al foil + drain	HCYN04
24	6	7/0.20 TC	PE 0.25	10.11	Al foil + drain	HCYN06
24	8	7/0.20 TC	PE 0.25	11.18	Al foil + drain	HCYN08
24	12	7/0.20 TC	PE 0.25	13.59	Al foil + drain	HCYN12
24	16	7/0.20 TC	PE 0.25	15.19	Al foil + drain	HCYN16
24	24	7/0.20 TC	PE 0.25	20.1	Al foil + drain	HCYN24

NOTE: These cables are not suitable for direct connection to mains supply.
EACH SHEATH IS COLOUR CODED FOR EASY IDENTIFICATION

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

6. AUDIO CABLES (Cont.)

MULTI-CHANNEL ALUMINIUM FOIL SCREENED CABLES DIGITAL AUDIO CABLE -- AES/EBU

PACK: 100 or 500 metre reels.

SHEATH: Burgundy Hi-Flex PVC
Other colours on request.

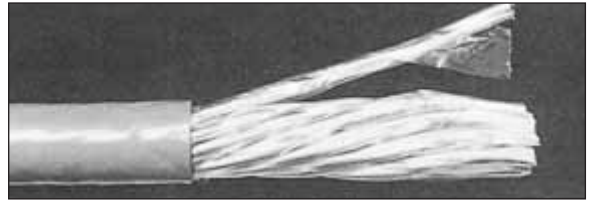
SCREEN: Each pair has individual aluminium/polyester screen with stranded tin copper drain.

CONDUCTOR COLOURS: As per chart C of Section 10

NOMINAL IMPEDENCE: 110 Ohms +/- 10%

CAPACITANCE: 43 pf/metre

ATTENUATION: 3db @ 9.3 MHz
6db @ 17.6 MHz



USE: Fixed wiring for the transmission of digital audio signals.

NEAREST AWG	NO OF PAIRS	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	SHEATH DIA (mm)	SCREEN	HARTLAND PART
24	1	7/0.20 TC	HDFPE 0.50	4.5	Al foil + drain	HCDA01
24	2	7/0.20 TC	HDFPE 0.50	7.8	Al foil + drain	HCDA02
24	4	7/0.20 TC	HDFPE 0.50	9.3	Al foil + drain	HCDA04
24	6	7/0.20 TC	HDFPE 0.50	11.2	Al foil + drain	HCDA06
24	8	7/0.20 TC	HDFPE 0.50	12.2	Al foil + drain	HCDA08
24	12	7/0.20 TC	HDFPE 0.50	15.3	Al foil + drain	HCDA12
24	16	7/0.20 TC	HDFPE 0.50	17.0	Al foil + drain	HCDA16
24	24	7/0.20 TC	HDFPE 0.50	21.2	Al foil + drain	HCDA24

BRAIDED PAIRS MULTI CHANNEL AUDIO NEW HCYNB SERIES HIGHLY FLEXIBLE

Individually copper braided microphone cable, each pair with outer jacket of Hi-Flex PVC and completed with a soft flexible outer jacket of black Hi-Flex PVC.

Ultra flexibility achieved by 30/0.08 strands of bare copper with a copper outer braid screen of 95%, resulting in one of the best multi cores on the market today.

NEAREST AWG	NO OF PAIRS	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	SHEATH DIA (mm)		
26	4	30/0.08 BC	0.40	12.20	TC BRAID	HCYNB04
26	6	30/0.08 BC	0.40	14.50	TC BRAID	HCYNB06
26	8	30/0.08 BC	0.40	15.70	TC BRAID	HCYNB08
26	12	30/0.08 BC	0.40	19.00	TC BRAID	HCYNB12
26	16	30/0.08 BC	0.40	21.40	TC BRAID	HCYNB16