

# 3. MULTIWIRE CABLES

## UNSCREENED

**USE:** Low voltage and electronic control applications.

**PACK:** 100 or 500 metre reels or drums

**INSULATION:** V-90 HT PVC

**SHEATH:** Standard grey V75 PVC  
Other materials and colours on request

**CONDUCTOR COLOURS:** As per Chart A of Section 10  
Other colours on request

**VOLTAGE:** 32V ac 115V dc



## HCCO SERIES

NEAREST AWG	NO OF CORES	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	NOMINAL DIA (mm)	HARTLAND PART
24	3	7/0.20 TC	0.20	4.2	HCC003
24	4	7/0.20 TC	0.20	4.3	HCC004
24	6	7/0.20 TC	0.20	4.7	HCC006
24	8	7/0.20 TC	0.20	4.8	HCC008
24	10	7/0.20 TC	0.20	6.1	HCC010
24	12	7/0.20 TC	0.20	6.2	HCC012
24	16	7/0.20 TC	0.20	7.1	HCC016
24	20	7/0.20 TC	0.20	7.5	HCC020
24	25	7/0.20 TC	0.20	8.4	HCC025

## HCGO SERIES

NEAREST AWG	NO OF CORES	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	NOMINAL DIA (mm)	HARTLAND PART
20	3	16/0.20 TC	0.30	4.7	HCG003
20	4	16/0.20 TC	0.30	5.5	HCG004
20	6	16/0.20 TC	0.30	6.4	HCG006
20	8	16/0.20 TC	0.30	7.2	HCG008
20	10	16/0.20 TC	0.30	7.5	HCG010
20	12	16/0.20 TC	0.30	8.1	HCG012
20	16	16/0.20 TC	0.30	9.5	HCG016
20	20	16/0.20 TC	0.30	10.5	HCG020
20	25	16/0.20 TC	0.30	12.1	HCG025

**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.

## 3. MULTIWIRE CABLES (Cont.)

### TINNED COPPER WIRE BRAID SCREEN

**USE:** Flexible cables for use with computers, control and instrumentation systems.  
Suitable for RS232, RS423.

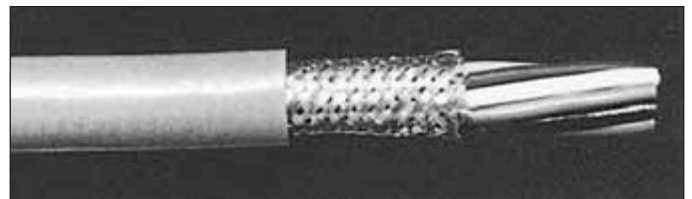
**PACK:** 100 or 500 metre reels or drums

**INSULATION:** V-90 HT PVC

**SHEATH:** Standard grey V75 PVC  
Other materials and colours on request

**SCREEN:** Tinned copper wire braid

**CONDUCTOR COLOURS:** As per Chart A of Section 10  
Other colours on request



### HCD1 SERIES

NEAREST AWG	NO OF CORES	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	NOMINAL WIRE TO WIRE CAPACITANCE pf/m	NOMINAL DIA (mm)	HARTLAND PART
24	3	7/0.20 TC	0.25	100	4.0	HCD103
24	4	7/0.20 TC	0.25	100	4.2	HCD104
24	6	7/0.20 TC	0.25	100	5.6	HCD106
24	8	7/0.20 TC	0.25	100	6.0	HCD108
24	10	7/0.20 TC	0.25	100	6.6	HCD110
24	12	7/0.20 TC	0.25	100	6.7	HCD112
24	16	7/0.20 TC	0.25	100	7.8	HCD116
24	20	7/0.20 TC	0.25	100	8.7	HCD120
24	25	7/0.20 TC	0.25	100	9.4	HCD125

### HCG1 SERIES (COMMONLY USED AS LOAD CELL CABLE)

NEAREST AWG	NO OF CORES	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	NOMINAL WIRE TO WIRE CAPACITANCE pf/m	NOMINAL DIA (mm)	HARTLAND PART
20	3	16/0.20 TC	0.30	150	5.2	HCG103
20	4	16/0.20 TC	0.30	150	5.8	HCG104*
20	6	16/0.20 TC	0.30	150	6.9	HCG106
20	8	16/0.20 TC	0.30	150	7.2	HCG108
20	10	16/0.20 TC	0.30	150	7.9	HCG110
20	12	16/0.20 TC	0.30	150	9.0	HCG112
20	16	16/0.20 TC	0.30	150	9.9	HCG116
20	20	16/0.20 TC	0.30	150	10.5	HCG120
20	25	16/0.20 TC	0.30	150	11.7	HCG125

\* HCG104A is also available with a black sheath and red, green, black and white cores.

**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.

## 3. MULTIWIRE CABLES (Cont.)

### OVERALL FOIL SCREEN WITH DRAIN WIRE

**USE:** Fixed wiring for computer, communication and instrumentation systems.  
Suitable for RS232, RS423.

**PACK:** 100 or 500 metre reels

**INSULATION:** V-90 HT PVC

**SHEATH:** Standard grey V75 PVC  
Other materials and colours on request

**SCREEN:** Overall aluminium/polyester laminate  
with tinned copper drain wire

**CONDUCTOR COLOURS:** As per Chart A of Section 10  
Other colours on request



### HCE3 SERIES

NEAREST AWG	NO OF CORES	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	NOMINAL WIRE TO WIRE CAPACITANCE pf/m	NOMINAL DIA (mm)	HARTLAND PART
24	2	7/0.20 TC	0.30	80	4.1	HCE302
24	3	7/0.20 TC	0.30	80	4.7	HCE303
24	4	7/0.20 TC	0.30	80	4.8	HCE304
24	6	7/0.20 TC	0.30	80	5.5	HCE306
24	8	7/0.20 TC	0.30	80	6.1	HCE308
24	10	7/0.20 TC	0.30	80	6.7	HCE310
24	12	7/0.20 TC	0.30	80	7.5	HCE312
24	16	7/0.20 TC	0.30	80	8.7	HCE316
24	20	7/0.20 TC	0.30	80	9.1	HCE320
24	25	7/0.20 TC	0.30	80	10.7	HCE325

### HCG3 SERIES

NEAREST AWG	NO OF CORES	CONDUCTORS NO/DIA (mm)	INSULATION THICKNESS (mm)	NOMINAL WIRE TO WIRE CAPACITANCE pf/m	NOMINAL DIA (mm)	HARTLAND PART
20	3	16/0.20 TC	0.30	150	5.7	HCG303
20	4	16/0.20 TC	0.30	150	5.7	HCG304
20	6	16/0.20 TC	0.30	150	7.1	HCG306
20	8	16/0.20 TC	0.30	150	7.7	HCG308
20	10	16/0.20 TC	0.30	150	7.9	HCG310
20	12	16/0.20 TC	0.30	150	8.2	HCG312
20	16	16/0.20 TC	0.30	150	9.5	HCG316
20	20	16/0.20 TC	0.30	150	10.5	HCG320
20	25	16/0.20 TC	0.30	150	10.9	HCG325

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

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