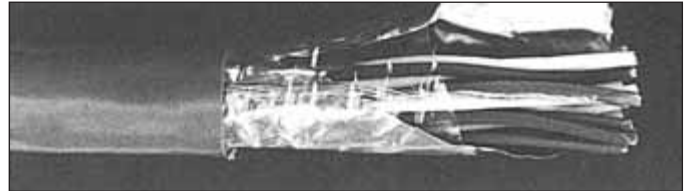


## 4. MULTIPAIR CABLES

### OVERALL ALUMINIUM FOIL SCREEN AND DRAIN WIRE

- PACK:** 100 or 500 metre reels
- INSULATION:** V-90 HT PVC or polypropylene as indicated
- 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 B or C of Section 10 as indicated - other colours on request

### HCK6 SERIES - POLYPROPYLENE INSULATED (Colour code Chart B)

**USE:** Fixed low capacitance cables for RS232 RS 422 and RS 485, instrumentation & electronic control.

| NEAREST AWG | NO OF PAIRS | CONDUCTORS NO/DIA (mm) | INSULATION THICKNESS (mm) | NOMINAL * CAPACITANCE pf/m | NOMINAL DIA (mm) | HARTLAND PART |
|-------------|-------------|------------------------|---------------------------|----------------------------|------------------|---------------|
| 24          | 1           | 7/0.20 TC              | 0.30                      | 50                         | 4.10             | HCK601        |
| 24          | 2           | 7/0.20 TC              | 0.30                      | 50                         | 5.7              | HCK602        |
| 24          | 3           | 7/0.20 TC              | 0.30                      | 50                         | 6.4              | HCK603        |
| 24          | 4           | 7/0.20 TC              | 0.30                      | 50                         | 6.7              | HCK604        |
| 24          | 6           | 7/0.20 TC              | 0.30                      | 50                         | 8.9              | HCK606        |
| 24          | 8           | 7/0.20 TC              | 0.30                      | 50                         | 9.5              | HCK608        |
| 24          | 10          | 7/0.20 TC              | 0.30                      | 50                         | 10.2             | HCK610        |
| 24          | 12          | 7/0.20 TC              | 0.30                      | 50                         | 10.7             | HCK612        |
| 24          | 16          | 7/0.20 TC              | 0.30                      | 50                         | 12.5             | HCK616        |
| 24          | 20          | 7/0.20 TC              | 0.30                      | 50                         | 14.0             | HCK620        |
| 24          | 25          | 7/0.20 TC              | 0.30                      | 50                         | 14.7             | HCK625        |

\* Capacitance between conductors of a pair.

### HCK9 SERIES - INDIVIDUAL AND OVERALL AL FOIL SCREENS

Conductors with polypropylene insulation - Each pair has its own al foil screen and drain wire together together with an overall al foil screen and drain wire - colour code per chart B of section 10.

**USE:** Low capacitance audio, control and computer cable, suitable, RS232, RS422 and RS485

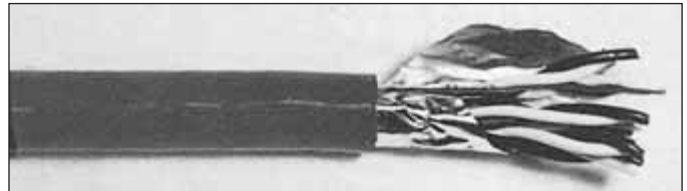
| NEAREST AWG | NO OF PAIRS | CONDUCTORS NO/DIA (mm) | INSULATION THICKNESS (mm) | NOMINAL WIRE TO WIRE CAPACITANCE pf/m | NOMINAL DIA (mm) | HARTLAND PART |
|-------------|-------------|------------------------|---------------------------|---------------------------------------|------------------|---------------|
| 24          | 2           | 7/0.20 TC              | 0.30                      | 68                                    | 6.0              | HCK902        |
| 24          | 3           | 7/0.20 TC              | 0.30                      | 68                                    | 7.1              | HCK903        |
| 24          | 4           | 7/0.20 TC              | 0.30                      | 68                                    | 7.4              | HCK904        |
| 24          | 6           | 7/0.20 TC              | 0.30                      | 68                                    | 9.1              | HCK906        |
| 24          | 8           | 7/0.20 TC              | 0.30                      | 68                                    | 9.9              | HCK908        |
| 24          | 10          | 7/0.20 TC              | 0.30                      | 68                                    | 11.2             | HCK910        |
| 24          | 12          | 7/0.20 TC              | 0.30                      | 68                                    | 12.0             | HCK912        |
| 24          | 16          | 7/0.20 TC              | 0.30                      | 68                                    | 13.0             | HCK916        |
| 24          | 20          | 7/0.20 TC              | 0.30                      | 68                                    | 14.0             | HCK920        |
| 24          | 25          | 7/0.20 TC              | 0.30                      | 68                                    | 15.3             | HCK925        |

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

## 4. MULTIPAIR CABLES (Cont.)

### OVERALL ALUMINIUM FOIL SCREEN AND DRAIN WIRE (Cont.)

|                           |   |
|---------------------------|---|
| <b>USE:</b>               | Fixed wiring for industrial instrumentation interconnection.                    |
| <b>PACK:</b>              | 100 or 500 metre drums  |
| <b>INSULATION:</b>        | V-90 HT PVC   |
| <b>SHEATH:</b>            | BLACK V-90 PVC<br>Other materials and colours on request                        |
| <b>SCREEN:</b>            | Overall aluminium/polyester laminate<br>with tinned copper drain wire           |
| <b>CONDUCTOR COLOURS:</b> | Each pair one white and one black conductor with the white conductors numbered. |



### HCP6 SERIES

| NEAREST AWG | NO OF PAIRS | CONDUCTORS NO/DIA (mm) | INSULATION THICKNESS (mm) | NOMINAL WIRE TO WIRE CAPACITANCE pf/m | NOMINAL DIA (mm) | HARTLAND PART |
|-------------|-------------|------------------------|---------------------------|---------------------------------------|------------------|---------------|
| 20          | 2           | 7/0.30 BC              | 0.50                      | 80                                    | 8.6              | HCP602        |
| 20          | 3           | 7/0.30 BC              | 0.50                      | 80                                    | 9.1              | HCP603        |
| 20          | 4           | 7/0.30 BC              | 0.50                      | 80                                    | 9.8              | HCP604        |
| 20          | 6           | 7/0.30 BC              | 0.50                      | 80                                    | 11.4             | HCP606        |
| 20          | 8           | 7/0.30 BC              | 0.50                      | 80                                    | 12.6             | HCP608        |
| 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           | 7/0.30 BC              | 0.50                      | 80                                    | 6.8              | HCQ603        |

Core Colours: Red, White and Black

**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.

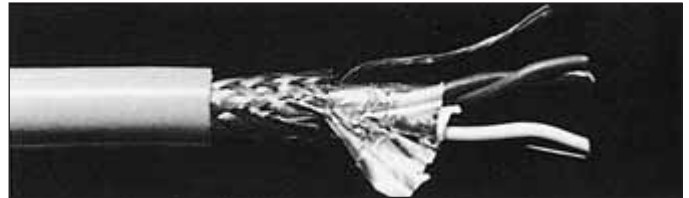
## 4. MULTIPAIR CABLES (Cont.)

### OVERALL ALUMINIUM FOIL AND TINNED COPPER BRAID SCREEN

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

**INSULATION:** Polypropylene or polyethylene as indicated

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



**SCREEN:** Overall aluminium/polyester laminate and tinned copper wire screens with stranded tinned copper drain wire, between the screens.

### K61 SERIES

Polypropylene insulated low capacitance cables.  
Conductor colours as per Chart B of Section 10.

**USE:** Low capacitance RS232, RS422 applications.

| NEAREST AWG | NO OF PAIRS | CONDUCTORS NO/DIA (mm) | INSULATION THICKNESS (mm) | NOMINAL * CAPACITANCE pf/m | NOMINAL DIA (mm) | HARTLAND PART |
|-------------|-------------|------------------------|---------------------------|----------------------------|------------------|---------------|
| 24          | 2           | 7/0.20 TC              | 0.30                      | 50                         | 6.1              | K6102         |
| 24          | 3           | 7/0.20 TC              | 0.30                      | 50                         | 7.5              | K6103         |
| 24          | 4           | 7/0.20 TC              | 0.30                      | 50                         | 8.2              | K6104         |
| 24          | 6           | 7/0.20 TC              | 0.30                      | 50                         | 9.0              | K6106         |
| 24          | 8           | 7/0.20 TC              | 0.30                      | 50                         | 10.9             | K6108         |
| 24          | 10          | 7/0.20 TC              | 0.30                      | 50                         | 11.2             | K6110         |
| 24          | 12          | 7/0.20 TC              | 0.30                      | 50                         | 11.3             | K6112         |
| 24          | 16          | 7/0.20 TC              | 0.30                      | 50                         | 13.0             | K6116         |
| 24          | 20          | 7/0.20 TC              | 0.30                      | 50                         | 14.5             | K6120         |
| 24          | 25          | 7/0.20 TC              | 0.30                      | 50                         | 15.2             | K6125         |

### EXTRA LOW CAPACITANCE CABLE

Insulation: Polyethylene

Nominal characteristic impedance - 120 Ohms

Conductor colours:-

HCY366 Red & Black.

HCY097 Black & White, Red & Lt Green.

HCY315 Black & White, Red & Lt Green, Blue & Yellow, Orange & Brown.

**USE:** POS & RS485 applications. (HCY366 IS AUSTEL APPROVED).

| NEAREST AWG | NO OF PAIRS | CONDUCTORS NO/DIA (mm) | INSULATION THICKNESS (mm) | NOMINAL * CAPACITANCE pf/m | NOMINAL DIA (mm) | HARTLAND PART |
|-------------|-------------|------------------------|---------------------------|----------------------------|------------------|---------------|
| 24          | 1           | 7/0.20 TC              | 0.45                      | 40                         | 6.10             | HCY366        |
| 24          | 2           | 7/0.20 TC              | 0.45                      | 40                         | 7.90             | HCY097        |
| 24          | 4           | 7/0.20 TC              | 0.45                      | 40                         | 9.30             | HCY315        |

\* Capacitance between conductors of a pair.

**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.