

## HCTCY SERIES

High Performance Flexible Circular  
Twin Signal / Audio Cable 110V  
75°C



### APPLICATIONS:

**E.L.V Signal and Controls** (Does not exceed 50V AC or 120V DC Ripple Free) E.L.V power control or signal cables on machines, conveying equipment or similar industrial applications.

**Audio** Oxygen-free copper for use on microphones and audio controls.

**Marine** Tinned copper conductors for use in marine applications.

### PRODUCT FEATURES:

- ▶ Tinned fine stranded copper conductor
- ▶ High flexibility
- ▶ Prevents external interference
- ▶ UV Stabilised
- ▶ Flame retardant
- ▶ Heat, oil and chemical resistant (*See Technical Section*)

### CONSTRUCTION:

**Conductor** Annealed tinned copper stranded high flexibility (Class 5).

**Insulation** Special SPVC.

**Screening** Tinned copper braid of 85% coverage.

**Sheath** Special SPVC.

### CHARACTERISTICS:

**Operating Temperature Range** Fixed -20°C to 75°C / Flexing -5°C to 75°C.

**Maximum Conductor Temperature** 75°C.

**Rated Voltage** 110VRMS/150VDC.

**Capacitance** Nominal wire to wire pF/M 80.

**Minimum Bending Radius** Fixed 10 x cable diameter / Flexing 15 x cable diameter.

**Sheath Colour** Grey.

**Standard Core Colours** See column below.

**Relevant Standards** AS/NZS 1125, IEC 60332-1,

**RoHS** Compliant.

Code	No. of Cores x Size  (mm <sup>2</sup> )	Nearest AWG	Approx. Stranding  No. of wires x mm <sup>2</sup>	Approx. Overall Diameter  (mm)	Standard Core Colours	Approx. Weight  (Kg/Km)	Maximum Resistance  ohms/Km 20°C
<b>HCTCY2127</b>	2 x 0.22	24	7/0.20	3.50	Blue, White	30	85.24
<b>HCTCY2132</b>	2 x 0.50	20	16/0.20	5.10	Red, White	50	38.20
<b>HCTCY2135</b>	2 x 0.75	18	24/0.20	5.70	Red, Black	65	25.45