

HCGI SERIES

High Performance Flexible CBS Cable 110V 75°C



APPLICATIONS:

BUS Systems Extra low capacitance cable suitable for RS232, RS423 and building and home BUS automation systems.

Audio Oxygen free copper for audio controls.

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, instrumentation or similar industrial applications requiring EMC screening.

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 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.

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

Sheath Colour Grey.

Standard Core Colours (See Technical Section - Core Colours chart A).

Resistance Maximum 38.200HMS/Km @ 20°C.

Capacitance Nominal wire to wire pF/M 150 / Nominal wire to screen PF/M 290.

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

RoHS Compliant.

Code	No. of Cores x Size (mm ²)	Nearest AWG	Approx. Stranding No. of wires x mm ²	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)
HCG103	3 x 0.5	20	16/0.20	5.2	60
HCG104	4 x 0.5	20	16/0.20	5.8	70
HCG106	6 x 0.5	20	16/0.20	6.9	98
HCG108	8 x 0.5	20	16/0.20	7.2	115