

# CONTROL CABLES

## CTCY SERIES

Ultra Performance Flexible Rubber  
CBS Control Cable 300/500V 80°C



### APPLICATIONS:

**Control and Signals** For use on machines, portable tools, conveying equipment and other industrial applications requiring screened cables for EMC. These cables are flexible for fixed installation as well as occasional flexing without tensile load.

**Harsh Environments** With its UV stabilised, high flexibility, durable NBR sheath and excellent resistance to oil, heat, abrasion, ozone and solvents, this cable is suited to harsh industrial environments.

### PRODUCT FEATURES:

- ▶ Extremely fine stranded copper conductor
- ▶ Prevents external interference
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Resistant to environmental factors like ozone
- ▶ Abrasion resistance
- ▶ Extreme flexibility with stranding to VDE 0295 Class 5 & 6
- ▶ To be earthed using EMC compatible glands
- ▶ Extensive heat, oil, solvent and chemical resistance (See *Technical Section*)

### CONSTRUCTION:

**Conductor** Annealed plain copper stranded extreme flexibility (Class 5 & 6).

**Insulation** V-75.

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

**Inner Sheath** SER 90.

**Sheath** SER 90.

### CHARACTERISTICS:

**Operating Temperature Range** Fixed -20 to 80°C / Flexing -5 to 80°C.

**Maximum Conductor Temperature** 80°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).

**Rated Voltage** U<sub>o</sub>/U 300/500v.v

**Max AC Operating Voltage** U<sub>o</sub> 318v.

**Minimum Bending Radius** Fixed 7.5 x cable diameter / Flexing 15 x cable diameter.

**Sheath Colour** Black.

**Standard Core Colours** White (numbered) plus 1 Green/Yellow Earth.

**Relevant Standards** IEC 60332-1, AS/NZS 1125, AS/NZS 3808, **RoHS** Compliant.

Code	No. of Cores x Size  (mm <sup>2</sup> )	Approx. Stranding  No. of wires x mm	Approx. Overall Diameter  (mm)	Approx. Weight  (Kg/Km)
<b>CTCY03/0.75</b>	3 x 0.75	24/0.20	9.1	131
<b>CTCY07/0.75</b>	7 x 0.75	24/0.20	11.5	201
<b>CTCY12/0.75</b>	12 x 0.75	24/0.20	14.8	335
<b>CTCY18/0.75</b>	18 x 0.75	24/0.20	15.6	420
<b>CTCY02/1.5</b>	2 x 1.5	48/0.20	10.2	168
<b>CTCY07/1.5</b>	7 x 1.5	48/0.20	13.9	323
<b>CTCY12/1.5</b>	12 x 1.5	48/0.20	16.8	521
<b>CTCY19/1.5</b>	19 x 1.5	48/0.20	20.7	705
<b>CTCY07/2.5</b>	7 x 2.5	80/0.20	16.5	374

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