

## CHEMTUFF CONTROL CT SERIES

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

### APPLICATIONS:

**Chemtuff** Used in applications that require a greater resistance to chemicals, solvents, oils and fats.

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

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

**Lighting & Entertainment** With its extra durable SER sheath, this cable is suitable for indoor/outdoor lighting and control leads.

### PRODUCT FEATURES:

- ▶ Extremely fine stranded copper conductor
- ▶ UV stabilised
- ▶ Resistant to environmental factors like ozone
- ▶ Flame retardant
- ▶ Extreme flexibility
- ▶ Highly flexible, tough and durable with resistance to abrasion
- ▶ Extensive heat, oil, solvent and chemical resistance (See *Technical Section*)

See over for full product table ▶



### CONSTRUCTION:

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

**Insulation** V-75.

**Sheath** SER 90.

### CHARACTERISTICS:

**Operating Temperature Range** Fixed -20°C to 80°C / Flexing -5°C to 75°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

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

**Minimum Bending Radius** Fixed 5 x cable diameter / Flexing 15 x cable diameter.

**Sheath Colour** Grey – as standard colour / Black – in some sizes subject to availability (marked B).

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

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

**RoHS** Compliant.

## CHEMTUFF CONTROL CT SERIES continued

Code	No. of Cores x Size	Approx. Stranding	Approx. Overall Diameter	Approx. Weight
	(mm <sup>2</sup> )	No. of wires x mm	(mm)	(Kg/Km)
CT02/0.5	2 x 0.5	16/0.20	4.8	35
CT03/0.5	3 x 0.5	16/0.20	5.1	42
CT04/0.5	4 x 0.5	16/0.20	5.7	54
CT05/0.5	5 x 0.5	16/0.20	6.6	67
CT07/0.5	7 x 0.5	16/0.20	7.0	84
CT12/0.5	12 x 0.5	16/0.20	9.4	131
CT18/0.5	18 x 0.5	16/0.20	11.1	192
CT25/0.5	25 x 0.5	16/0.20	12.4	261
CT30/0.5	30 x 0.5	16/0.20	13.3	304
CT41/0.5	41 x 0.5	16/0.20	16.6	450
CT03/0.75	3 x 0.75	24/0.20	6.0	63
CT04/0.75	4 x 0.75	24/0.20	6.2	64
CT05/0.75	5 x 0.75	24/0.20	7.1	88
CT07/0.75	7 x 0.75	24/0.20	7.6	110
CT12/0.75	12 x 0.75	24/0.20	10.5	200
CT18/0.75	18 x 0.75	24/0.20	12.2	268
CT25/0.75	25 x 0.75	24/0.20	15.0	365
CT02/1.0	2 x 1.0	32/0.20	6.0	64
CT03/1.0	3 x 1.0	32/0.20	6.1	66
CT04/1.0	4 x 1.0	32/0.20	6.5	79
CT05/1.0	5 x 1.0	32/0.20	7.6	105
CT07/1.0	7 x 1.0	32/0.20	8.0	131
CT12/1.0	12 x 1.0	32/0.20	11.1	220
CT18/1.0	18 x 1.0	32/0.20	13.4	315
CT25/1.0	25 x 1.0	32/0.20	15.4	449
CT36/1.0	36 x 1.0	32/0.20	18.2	620
CT41/1.0	41 x 1.0	32/0.20	18.8	660
CT03/1.5	3 x 1.5	48/0.20	6.7	84
CT04/1.5	4 x 1.5	48/0.20	8.3	121
CT05/1.5	5 x 1.5	48/0.20	8.7	144
CT07/1.5	7 x 1.5	48/0.20	10.3	237
CT12/1.5	12 x 1.5	48/0.20	13.8	393
CT19/1.5	19 x 1.5	48/0.20	16.4	542
CT25/1.5 B	25 x 1.5	48/0.20	19.0	655
CT30/1.5 B	30 x 1.5	48/0.20	20.5	750
CT37/1.5 B	37 x 1.5	48/0.20	24.5	980
CT50/1.5	50 x 1.5	48/0.20	26.5	1224
CT04/2.5 B	4 x 2.5	80/0.20	11.0	192
CT07/2.5 B	7 x 2.5	80/0.20	13.0	310
CT12/2.5 B	12 x 2.5	80/0.20	18.0	524
CT18/2.5 B	18 x 2.5	80/0.20	21.0	784
CT27/2.5 B	27 x 2.5	80/0.20	26.0	900