

CHEMTUFF CONTROL CT SERIES

Ultra Performance Flexible Rubber Control Cable 300/500V 90°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 SPVC V-90.

Sheath SER105.

CHARACTERISTICS:

Operating Temperature Range Fixed -20°C to 90°C / Flexing -5°C to 80°C.

Maximum Conductor Temperature 90°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).

Rated Voltage U_o/U 300/500v

Max AC Operating Voltage U_o 318v.

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

Sheath Colour Grey.

Standard Core Colours White (numbered) plus 1 Green/Yellow Earth. (2 Core is without 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 ²)	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	25 x 1.5	48/0.20	19.0	655
CT30/1.5	30 x 1.5	48/0.20	20.5	750
CT37/1.5	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	4 x 2.5	80/0.20	11.0	192
CT07/2.5	7 x 2.5	80/0.20	13.0	310
CT12/2.5	12 x 2.5	80/0.20	18.0	524
CT18/2.5	18 x 2.5	80/0.20	21.0	784
CT27/2.5	27 x 2.5	80/0.20	26.0	900

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