

# CONTROL CABLES

## CTP SERIES

Standard Performance Flexible  
Control Cable 300/500V 80°C



### APPLICATIONS:

**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.

**Lighting & Entertainment** With its special flexible PVC sheath, this cable is suitable for indoor lighting and control leads.

### PRODUCT FEATURES:

- ▶ Fine stranded copper conductor
- ▶ High flexibility
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ High flexibility with stranding to VDE 0295 Class 5 & 6
- ▶ Heat, oil and chemical resistant (*See Technical Section*)

See over for full product table ▶

### CONSTRUCTION:

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

**Insulation** SPVC V-75.

**Sheath** SPVC.

### CHARACTERISTICS:

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

**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** Grey – as standard colour.

**Standard Core Colours** Black (numbered) plus 1 Green/Yellow Earth.  
(2 Core is without Earth)

**Relevant Standards** DIN VDE 0295, IEC 60332-1, AS/NZS 3808,  
**RoHS** Compliant.

## CTP 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)
CTP02/0.5	2 x 0.5	16/0.20	4.9	40
CTP03/0.5	3 x 0.5	16/0.20	5.1	42
CTP04/0.5	4 x 0.5	16/0.20	5.7	54
CTP05/0.5	5 x 0.5	16/0.20	6.2	63
CTP07/0.5	7 x 0.5	16/0.20	6.7	81
CTP12/0.5	12 x 0.5	16/0.20	8.9	131
CTP18/0.5	18 x 0.5	16/0.20	10.5	188
CTP25/0.5	25 x 0.5	16/0.20	12.5	261
CTP02/0.75	2 x 0.75	24/0.20	5.3	46
CTP03/0.75	3 x 0.75	24/0.20	5.7	55
CTP04/0.75	4 x 0.75	24/0.20	6.2	66
CTP05/0.75	5 x 0.75	24/0.20	6.7	79
CTP07/0.75	7 x 0.75	24/0.20	7.3	101
CTP12/0.75	12 x 0.75	24/0.20	10.0	171
CTP18/0.75	18 x 0.75	24/0.20	11.8	244
CTP25/0.75	25 x 0.75	24/0.20	13.8	337
CTP02/1.0	2 x 1.0	32/0.20	5.8	60
CTP03/1.0	3 x 1.0	32/0.20	6.0	65
CTP04/1.0	4 x 1.0	32/0.20	6.5	79
CTP05/1.0	5 x 1.0	32/0.20	7.1	94
CTP07/1.0	7 x 1.0	32/0.20	8.0	126
CTP12/1.0	12 x 1.0	32/0.20	10.5	205
CTP18/1.0	18 x 1.0	32/0.20	12.7	300
CTP25/1.0	25 x 1.0	32/0.20	14.7	408
CTP02/1.5	2 x 1.5	48/0.20	6.4	70
CTP03/1.5	3 x 1.5	48/0.20	6.7	84
CTP04/1.5	4 x 1.5	48/0.20	7.2	104
CTP05/1.5	5 x 1.5	48/0.20	8.1	128
CTP07/1.5	7 x 1.5	48/0.20	9.0	166
CTP12/1.5	12 x 1.5	48/0.20	12.0	279
CTP18/1.5	18 x 1.5	48/0.20	14.4	407
CTP25/1.5	25 x 1.5	48/0.20	17.0	560
CTP04/2.5	4 x 2.5	80/0.20	9.2	178
CTP07/2.5	7 x 2.5	80/0.20	11.2	306
CTP12/2.5	12 x 2.5	80/0.20	14.8	498
CTP18/2.5	18 x 2.5	80/0.20	18.0	764