

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 75.

Sheath SPVC 75.

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_o/U 300/500v.

Max AC Operating Voltage U_o 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

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 ²)	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