

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 SPVC101.

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 |