

## CTPBK SERIES

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



### APPLICATIONS:

**Control and Signals** For use on machines, portable tools, conveying equipment and other industrial applications, Ideal for long term use with a black sheath for higher UV resistance in outdoor applications. These cables are flexible for fixed installation as well as occasional flexing without tensile load.

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

### PRODUCT FEATURES:

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

### 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** Black.

**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.

See over for full product table ▶

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