

## CTP-H SERIES

High Performance Flexible LSHF  
Control Cable 300/500V 90°C



### APPLICATIONS:

**Marine** Flexible LSHF tinned copper control cable for installation in superyachts, pleasure craft and other marine applications.

**Control and Signals** Suitable 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 low smoke halogen free sheath, this cable is suitable for indoor/outdoor lighting and control leads.

**Rail or Rolling Stock** Suitable for wiring in locomotives, rail cars, buses and coaches.

**Pumping** Suitable for use as submersible (200 metres) pump controls.

### PRODUCT FEATURES:

- ▶ Tinned fine stranded copper conductor
- ▶ High flexibility
- ▶ Low smoke halogen free
- ▶ PVC free
- ▶ Submersible to 200 metres
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Extreme flexibility
- ▶ Heat, oil and chemical resistant (*See Technical Section*)

### CONSTRUCTION:

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

**Insulation** LSHF X-90.

**Sheath** LSHF.

### CHARACTERISTICS:

**Operating Temperature Range** Fixed -40 to 90°C / Flexing -5 to 90°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<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 61034, IEC 60332-1, IEC 60754-1, IEC 60754-2, **RoHS** Compliant.

Code	No. of Cores x Size (mm <sup>2</sup> )	Approx. Stranding No. of wires x mm	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)
CTP02/0.75H	2 x 0.75	24/0.20	5.1	46
CTP03/0.75H	3 x 0.75	24/0.20	5.6	55
CTP04/0.75H	4 x 0.75	24/0.20	6.2	66
CTP05/0.75H	5 x 0.75	24/0.20	7.1	79
CTP07/0.75H	7 x 0.75	24/0.20	7.5	101
CTP12/0.75H	12 x 0.75	24/0.20	10.5	171
CTP18/0.75H	18 x 0.75	24/0.20	12.2	244
CTP02/1.5H	2 x 1.5	48/0.20	6.4	78
CTP03/1.5H	3 x 1.5	48/0.20	7.1	84
CTP04/1.5H	4 x 1.5	48/0.20	8.3	104
CTP05/1.5H	5 x 1.5	48/0.20	8.7	128
CTP07/1.5H	7 x 1.5	48/0.20	10.0	166
CTP12/1.5H	12 x 1.5	48/0.20	13.0	279
CTP18/1.5H	18 x 1.5	48/0.20	15.5	407

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