

## CHEMTUFF TWINSKIN HDT SERIES

Ultra Performance Flexible Cable  
Double Sheath 0.6/1kV 90°C

### APPLICATIONS:

**Chemtuff** Used in applications that require a greater resistance to chemicals, solvents, oils and fats.

**Marine** Flexible tinned copper for installations on pleasure craft, ship to shore and other marine applications.

**Extension Leads** Used on construction sites due to its outstanding flexibility and cable memory. Suitable for tough climatic and mechanical conditions.

**Power** With a separator acting as a second sheath this cable provides extra safety for machine tools, construction and engineering equipment and conveyers.

**Pumping** Suitable for permanent submersion to 200 metres.

**Lighting & Entertainment** With its extra durable SER sheath and high visibility, this cable is suitable for outdoor temporary power supply and lighting leads.

### PRODUCT FEATURES:

- ▶ Yellow sheath for high visibility
- ▶ Tinned fine stranded copper conductor
- ▶ Non-marking sheath suits ship to shore use
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Extremely flexible
- ▶ Water and moisture resistant
- ▶ Suitable for permanent submersion to 200 metres
- ▶ Heat, oil and chemical resistant (*See Technical Section*)

See over for full product table ▶



### CONSTRUCTION:

**Conductor** Annealed tinned copper stranded extreme flexibility (Class 5 & 6).

**Insulation** X-90.

**Separator** An added separator or bedding of extruded V-90HT material for safety and durability. Silicate powder lubricant between cores and inner sheath to reduce friction.

**Sheath** SER105.

### CHARACTERISTICS:

**Operating Temperature Range** Fixed -40°C to 90°C / Flexing -20°C 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 0.6/1kV.

**Max AC Operating Voltage** U<sub>o</sub> 0.7kV.

**Minimum Bending Radius** Fixed 5 x cable diameter / Flexing 6 x cable diameter.

**Sheath Colour** Yellow

#### Standard Core Colour


3 Core – Blue, Brown, Green/Yellow.

4 Core – Grey, Brown, Black, Green/Yellow.

5 Core – Blue, Red, White, Black, Green/Yellow.

**Relevant Standards** AS/NZS 3191, AS/NZS 5000.1, AS/NZS 3308, IEC 60227, IEC 60332-1, **RoHS** Compliant.

## CHEMTUFF TWINSKIN HDT SERIES continued

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)	Nominal Amps un-enclosed protected from sun @ 30°C fixed application		3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 90°C (Mv/Am)
					Touching		
<b>HD03/1.5T</b>	3 x 1.5	48/0.20	10.5	140	21		30.000
<b>HD03/2.5T</b>	3 x 2.5	80/0.20	12.4	194	29		16.400
<b>HD03/4.0T</b>	3 x 4.0	127/0.20	14.4	319	37		10.200
<b>HD03/6.0T</b>	3 x 6.0	190/0.20	15.9	406	47		6.800
<b>HD04/1.5T</b>	4 x 1.5	48/0.20	11.6	170	21		30.000
<b>HD04/2.5T</b>	4 x 2.5	80/0.20	14.0	239	29		16.400
<b>HD04/4.0T</b>	4 x 4.0	127/0.20	16.0	394	37		10.200
<b>HD04/6.0T</b>	4 x 6.0	190/0.20	19.0	505	47		6.800
<b>HD05/1.5T</b>	5 x 1.5	48/0.20	13.0	210	21		30.000
<b>HD05/2.5T</b>	5 x 2.5	80/0.20	15.4	289	29		16.400
<b>HD05/4.0T</b>	5 x 4.0	127/0.20	17.4	482	37		10.200
<b>HD05/6.0T</b>	5 x 6.0	190/0.20	21.0	619	47		6.800
<b>HD05/10T</b>	5 x 10.0	318/0.20	28.1	1190	67		4.050
<b>HD05/16T</b>	5 x 16.0	504/0.20	31.7	1590	89		2.550
<b>HD05/35T</b>	5 x 35.0	1120/0.20	36.6	3210	149		1.170