

CHEMTUFF TWINSKIN HDT SERIES

Ultra Performance Flexible Rubber
Double Sheath Cable 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 -20°C to 90°C / Flexing -5°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_o/U 0.6/1kV.

Max AC Operating Voltage U_o 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 ²)	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		
HD03/1.5T	3 x 1.5	48/0.20	10.5	140	21		30.000
HD03/2.5T	3 x 2.5	80/0.20	12.4	194	29		16.400
HD03/4.0T	3 x 4.0	127/0.20	14.4	319	37		10.200
HD03/6.0T	3 x 6.0	190/0.20	15.9	406	47		6.800
HD04/1.5T	4 x 1.5	48/0.20	11.6	170	21		30.000
HD04/2.5T	4 x 2.5	80/0.20	14.0	239	29		16.400
HD04/4.0T	4 x 4.0	127/0.20	16.0	394	37		10.200
HD04/6.0T	4 x 6.0	190/0.20	19.0	505	47		6.800
HD05/1.5T	5 x 1.5	48/0.20	13.0	210	21		30.000
HD05/2.5T	5 x 2.5	80/0.20	15.4	289	29		16.400
HD05/4.0T	5 x 4.0	127/0.20	17.4	482	37		10.200
HD05/6.0T	5 x 6.0	190/0.20	21.0	619	47		6.800
HD05/10T	5 x 10.0	318/0.20	28.1	1190	67		4.050
HD05/16T	5 x 16.0	504/0.20	31.7	1590	89		2.550
HD05/35T	5 x 35.0	1120/0.20	36.6	3210	149		1.170