

## CHEMTUFF ONESKIN ON SERIES

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

### APPLICATIONS:

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

**Extension Leads** Used on construction sites due to its 0.6/1kV heavy duty insulation, outstanding flexibility and cable memory. Suitable for tough climatic and mechanical conditions.

**Power** 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, this cable is suitable for outdoor temporary power supply and lighting leads.

### PRODUCT FEATURES:

- ▶ 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 plain copper stranded extreme flexibility (Class 5 & 6).

**Insulation** X-90.

**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** Black, Orange (ON3/1.5 also available in blue, yellow)

#### Standard Core Colour

2 Core – Blue, Brown.


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 ONESKIN ON 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>ON2/1.5</b>	2 x 1.5	48/0.20	9.0	110	25		30.000
<b>ON2/2.5</b>	2 x 2.5	80/0.20	10.2	162	33		16.400
<b>ON3/1.5</b>	3 x 1.5	48/0.20	9.7	137	21		30.000
<b>ON3/2.5</b>	3 x 2.5	80/0.20	10.9	184	29		16.400
<b>ON3/4.0</b>	3 x 4.0	127/0.20	13.3	310	37		10.200
<b>ON3/6.0</b>	3 x 6.0	190/0.20	14.2	396	47		6.800
<b>ON4/1.5</b>	4 x 1.5	48/0.20	10.7	160	21		30.000
<b>ON4/2.5</b>	4 x 2.5	80/0.20	12.0	229	29		16.400
<b>ON4/4.0</b>	4 x 4.0	127/0.20	14.6	384	37		10.200
<b>ON4/6.0</b>	4 x 6.0	190/0.20	15.5	496	47		6.800
<b>ON5/1.5</b>	5 x 1.5	48/0.20	11.7	198	21		30.000
<b>ON5/2.5</b>	5 x 2.5	80/0.20	13.2	279	29		16.400
<b>ON5/4.0</b>	5 x 4.0	127/0.20	16.3	472	37		10.200
<b>ON5/6.0</b>	5 x 6.0	190/0.20	16.8	607	47		6.800
<b>ON5/16</b>	5 x 16.0	504/0.20	23.6	1549	89		2.550