

FLEXIBLE MULTI CORE CABLES

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 ▶

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CONSTRUCTION:

Conductor Annealed plain copper stranded extreme flexibility (Class 6).

Insulation X-90.

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 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	Approx. Stranding	Approx. Overall Diameter	Approx. Weight	Nominal Amps un-enclosed protected from sun @ 30°C fixed application	3 Phase Volt Drop @50Hz / MAX. Conductor Temp:
	(mm ²)	No. of wires x mm	(mm)	(Kg/Km)	Touching 	90°C (Mv/Am)
ON2/1.5	2 x 1.5	48/0.20	9.0	110	25	30.000
ON2/2.5	2 x 2.5	80/0.20	10.2	162	33	16.400
ON3/1.5	3 x 1.5	48/0.20	9.7	137	21	30.000
ON3/2.5	3 x 2.5	80/0.20	10.9	184	29	16.400
ON3/4.0	3 x 4.0	127/0.20	13.3	310	37	10.200
ON3/6.0	3 x 6.0	190/0.20	14.2	396	47	6.800
ON4/1.5	4 x 1.5	48/0.20	10.7	160	21	30.000
ON4/2.5	4 x 2.5	80/0.20	12.0	229	29	16.400
ON4/4.0	4 x 4.0	127/0.20	14.6	384	37	10.200
ON4/6.0	4 x 6.0	190/0.20	15.5	496	47	6.800
ON4/10	4 x 10.0	320/0.20	17.9	890	67	4.050
ON4/16	4 x 16.0	504/0.20	21.5	1230	89	2.550
ON5/1.5	5 x 1.5	48/0.20	11.7	198	21	30.000
ON5/2.5	5 x 2.5	80/0.20	13.2	279	29	16.400
ON5/4.0	5 x 4.0	127/0.20	16.3	472	37	10.200
ON5/6.0	5 x 6.0	190/0.20	16.8	607	47	6.800
ON5/10	5x 10.0	320/0.20	19.5	1140	67	4.050
ON5/16	5 x 16.0	504/0.20	23.6	1549	89	2.550