

FLEXIBLE MULTI CORE CABLES

CHEMTUFF ONESKIN ON SERIES

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



APPLICATIONS:

Chermuff 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 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 Uo/U 0.6/1kV.

Max AC Operating Voltage Uo 0.7kV.

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

Sheath Colour Black, Orange (Blue, Yellow in 3 x 1.5mm only. Subject to availability).

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 3808, IEC 60227, IEC 60332-1, **RoHS** Compliant.

CHEMTUFF ONESKIN ON 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		Single Phase Volt Drop @50Hz / MAX. Conductor Temp: 90°C (Mv/Am)
					Touching		
ON2/1.5	2 x 1.5	48/0.20	9.0	110	25		34.65
ON2/2.5	2 x 2.5	80/0.20	10.2	162	33		18.94
ON3/1.5	3 x 1.5	48/0.20	9.7	137	25		34.65
ON3/2.5	3 x 2.5	80/0.20	10.9	184	33		18.94
ON3/4.0	3 x 4.0	127/0.20	13.3	310	44		11.78
ON3/6.0	3 x 6.0	190/0.20	14.2	396	56		7.85
ON3/10	3 x 10.0	320/0.20	16.3	500	79		4.68
ON3/16	3 x 16.0	504/0.20	19.5	745	106		2.95
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		
ON4/1.5	4 x 1.5	48/0.20	10.7	160	21		30.00
ON4/2.5	4 x 2.5	80/0.20	12.0	229	29		16.40
ON4/4.0	4 x 4.0	127/0.20	14.6	384	37		10.20
ON4/6.0	4 x 6.0	190/0.20	15.5	496	47		6.80
ON4/10	4 x 10.0	320/0.20	17.9	890	67		4.05
ON4/16	4 x 16.0	504/0.20	21.5	1230	89		2.55
ON5/1.5	5 x 1.5	48/0.20	11.7	198	21		30.00
ON5/2.5	5 x 2.5	80/0.20	13.2	279	29		16.40
ON5/4.0	5 x 4.0	127/0.20	16.3	472	37		10.20
ON5/6.0	5 x 6.0	190/0.20	16.8	607	47		6.80
ON5/10	5 x 10.0	320/0.20	19.5	1140	67		4.05
ON5/16	5 x 16.0	504/0.20	23.6	1549	89		2.55

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.