



## OS EMC Submersible

### Submersible overall screened cable EMC compliant

CONSTRUCTION	
Conductors	Stranded copper conductor <b>Class 5 (Flexible)</b> according to AS 1125 <6mm <sup>2</sup> , Tinned Copper
Insulation	R-EP-90 cross linked elastomeric insulation
Outer Jacket	Black CSP
Protective Layer	Elastomer
Screen	Overall tinned copper screen
Voltage	0.6/1kV
Approvals	AS/NZS 5000-1, AS 1125, AS 3191

PROPERTIES	
Water Resistance	Up to 500M
Impact Resistance	Medium mechanical stress inc. in waste water
Environmental Resistance	Strong, oil resistance and flame retardant
Service Temperature	90 Deg
Maximum	Max. Short circuit temperature 250C (5 sec)
Minimum	-25C when in motion -40c when stationary

APPLICATIONS
Specially designed for pumps in waste water under medium mechanical stress
Sewage treatment plants
Waste water pumps, effluent aerators
For pumps requiring control cores
Electromagnetic compatibility EMC
Abattoirs high temp chemical cleaning
Dairy industry
Mining de-watering
Chemical plants & steelwork
Hygienic cleaning in breweries, food processing plants etc.
Water depth approx. 10m in waste water, as customarily encountered in sewerage tanks
Suitable in seawater under certain circumstances
Suitable for hazardous locations

Product code	Nominal No. of strands x and strand diameter	Overall Diameter	Max amps *	Weight (kg/km)
OSS4G2.5.4P.1.5	50x0.25	21.7	27	630
OSS4G4.4P.1.5	56x0.30	24.0	36	905
OSS4G6.4P.1.5	84x0.30	26.0	46	930
OSS4G10.4P.1.5	80x0.40	26.7	66	1133
OSS4G16.4P.1.5	126x0.40	28.4	87	1363
OSS4G25.4P.2.5	196x0.40	34.0	116	2022
OSS4G35.4P.2.5	276x0.40	36.4	144	2550
OSS4G50.4P.2.5	396x0.40	42.50	182	3600
OSS4G70.4P.2.5	546x0.40	48.20	230	4800
OSS4G95.4P.2.5	724x0.40	52.00	275	5450
OSS4G120.4P.2.5	926x0.40	61.00	327	6900
OSS4G185.4P.2.5	1406x0.40	72.00	428	10200

Current ratings based on AS/NZS 3008.1.1:2017