

## OD SERIES

Ultra Performance Flexible  
Cable 300/500V 90°C



### APPLICATIONS:

**Extension Leads** Used on construction sites due to its outstanding flexibility and excellent coiling characteristics in cold conditions.

**Power** For machine tools, construction and engineering equipment and conveyers.

### 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*)

### CONSTRUCTION:

**Conductor** Annealed plain copper stranded extreme flexibility (Class 5 & 6).

**Insulation** SER V-90.

**Sheath** SER105.

### CHARACTERISTICS:

**Operating Temperature Range** Fixed -20°C to 90°C / Flexing -5°C to 75°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 300/500v.

**Max AC Operating Voltage** U<sub>o</sub> 318v.

**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.

**Relevant Standards** AS/NZS 3191, IEC 60227, IEC 60332-1, AS/NZS 3808, AS/NZS 3008, **RoHS** Compliant.

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		
OD2/1.0	2 x 1.0	32/0.20	6.8	70	10		46.800
OD3/1.0	3 x 1.0	32/0.20	7.4	80	10		46.800
OD3/1.5	3 x 1.5	48/0.20	8.4	105	16		30.000
OD3/2.5	3 x 2.5	80/0.20	10.0	160	20		16.400
OD4/1.0	4 x 1.0	32/0.20	8.0	100	10		46.800
OD4/1.5	4 x 1.5	48/0.20	9.2	130	16		30.000
OD4/2.5	4 x 2.5	80/0.20	11.2	200	20		16.400