

## Power Cables And Leads

### SMECY SERIES – FLEXIBLE INDUSTRIAL COPPER BRAID EARTH SCREENED CABLE



#### APPLICATIONS



- Power: suitable for indoor/outdoor power supplies and industrial applications
- Safety: copper braid for earth connection and screening purposes
- Leads: suitable for dry and damp industrial applications

#### CONSTRUCTION

- Relevant Standards: AS/NZS 5000.1, AS/NZS 3008, AS/NZS 1125, AS/NZS 3808, IEC 60332-1, RoHS Compliant
- Conductor: annealed fine wires of plain electrolytic copper stranded for high flexibility VDE 0295 (Class 5)
- Insulation: SPVC V-90HT
- Inner Sheath: SER105
- Screening: flexible copper braid (earth connection)
- Sheath: SER105 Yellow
- Standard Core Colours: 2 Core – Blue, Brown  
4 Core – Red, White, Blue, Black  
(CBS for earth connection)
- Operating Temperature Range: Fixed -20°C to 90°C/Flexing -5°C to 90°C
- Maximum Conductor Temperature: 105°C (Current ratings based on 30°C air temp)
- Rated Voltage: Uo/U 250/440V (2.5mm<sup>2</sup>)  
Uo/U 0.6/1kV (6 – 35mm<sup>2</sup>)
- Max AC Operating Voltage: Uo 0.7kV

#### PRODUCT FEATURES

- Yellow sheath for high visibility
- Copper braided screen for maximum safety
- Tear, notch and water resistant sheath
- Flame retardant
- UV Stabilised
- Resistance to environmental factors like oxidation, ozone and sunlight
- Heat, oil and chemical resistant
- Customised cable printing available – P.O.A

Product 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 Unenclosed Protected From Sun @ 30°C Fixed Application Touching 	Single Phase Volt Drop @ 50Hz / MAX. Conductor Temp: 90°C (Mv/Am)	MAX. Conductor Resistance @ 20°C (Ω/km)	MAX. Screened Resistance @ 20°C (Ω/km)
SMECY02/2.5YEL	2 x 2.5	50/0.25	11.6	218	29	18.90	7.98	7.98
SMECY02/6.0YEL	2 x 6.0	84/0.30	17.4	450	48	7.85	3.3	3.3
Product 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 Unenclosed Protected From Sun @ 30°C Fixed Application Touching 	3 Phase Volt Drop @ 50Hz / MAX. Conductor Temp: 90°C (Mv/Am)	MAX. Conductor Resistance @ 20°C (Ω/km)	MAX. Screened Resistance @ 20°C (Ω/km)
SMECY04/6.0YEL	4 x 6.0	84/0.30	20.5	650	41	6.80	3.3	3.3
SMECY04/16YEL	4 x 16.0	231/0.30	29.2	1407	76	2.55	1.21	1.21
SMECY04/35YEL	4 x 35.0	490/0.30	38.4	2808	125	1.17	0.554	0.78