

FLEXIBLE MULTI CORE CABLES

SMECY SERIES

Flexible Industrial Copper Braid Screen Cable 0.6/1KV 90°C



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

PRODUCT FEATURES:

- ▶ Yellow sheath for high visibility
- ▶ Tear, notch, pressure and water resistance
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Resistant to environmental factors like oxidation, ozone and sunlight
- ▶ Heat, oil and chemical resistant (*See Technical Section*)

CONSTRUCTION:

Conductor Annealed fine wires of plain electrolytic copper stranded for HIGH flexibility VDE 0295 (Class 5).

Insulation V-90HT.

Inner Sheath SER V-90HT.

Screening Flexible copper braid (For earth connection).

Sheath SER V-90HT.

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.


Sheath Colour Yellow.

Standard Core Colours

4 Core – Red, White, Blue, Black. (CBS for earth connection).

Relevant Standards AS/NZS 5000.1, AS/NZS 3008, AS/NZS 1125, AS/NZS 3808, IEC 60332-1, **RoHS** Compliant.

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 unenclosed protected from sun @ 30°C fixed application Touching 	Single Phase Volt Drop @ 50Hz / MAX. Conductor Temp:	MAX Conductor Resistance @ 20°C	MAX Screened Resistance @ 20°C
						90°C (Mv/Am)	Ω /km	Ω /km
SMECY02/2.5YEL	2 x 2.5	50/0.25	13.5	270	21	18.9	7.98	7.98
SMECY02/6.0YEL	2 x 6.0	84/0.30	17.4	450	47	7.85	3.3	3.3

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 unenclosed protected from sun @ 30°C fixed application Touching 	3 Phase Volt Drop @ 50Hz / MAX. Conductor Temp:	MAX Conductor Resistance @ 20°C	MAX Screened Resistance @ 20°C
						90°C (Mv/Am)	Ω /km	Ω /km
SMECY04/6.0YEL	4 x 6.0	84/0.30	20.5	650	47	6.800	3.3	3.3
SMECY04/16YEL	4 x 16.0	231/0.30	29.2	1407	89	2.550	1.21	1.21

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