



FLEXIBLE SOLAR CABLES

CABLE DESCRIPTION

A robust and abrasion resistant cable suitable for extensive exposure to direct sunlight and outdoor weather conditions. This cable is suitable for both fixed and mobile installations and has a UV and Ozone protected outer sheath purposefully designed to last for more than 25 years in Photovoltaic applications. The cable is locally manufactured for African conditions and contains a rodent repellent additive.

PROPERTIES

Specification:	In accordance with SANS 1507 and 1574
Cores:	Dual extruded sheath and tinned class 5 copper according to SANS 1411-1
Temperature Range:	-15°C to 105°C, Max. conductor temperature
Short circuit temperature:	160°C for 1 second as per SANS 10142
Nominal voltage:	1100 volts AC and 1600 volts DC
Minimum bending radius:	4.5 times the cables diameter
Outdoor protection:	Water resistant; flame retardant; UV resistant; ozone resistant and rodent repellent
Safety protection:	Flame retardant (self-extinguishing); low halogen and low smoke
Core information:	Single Cores: available in Black, Red and Blue colours Multi-Core Cables: Black sheath, Red, Black, Blue and Yellow insulation

TECHNICAL INFORMATION

Product Code	Size (mm ²)	No of cores	Approx OD	Approx mass (kg/100m)	Nominal current amps
SCM0025X1	2.5	1	6.00mm	5.60	32
SCM0040X1	4	1	6.48mm	8.89	42
SCM0060X1	6	1	7.30mm	11.53	54
SCM0100X1	10	1	8.30mm	15.44	75
SCM0160X1	16	1	9.30mm	23.17	100
SCM0250X1	25	1	10.68mm	32.91	127
SCM0350X1	35	1	11.44mm	50.60	158
SCM0500X1	50	1	16.50mm	65.43	192
SCM0700X1	70	1	13.25mm	90	246
SCM0950X1	95	1	17.00mm	124.03	298
SCM1200X1	120	1	18.34mm	176.03	346
SCM1500X1	150	1	22.70mm	224.90	399