COPPER LAND

Amaleege

TECHNICAL DATASHEET

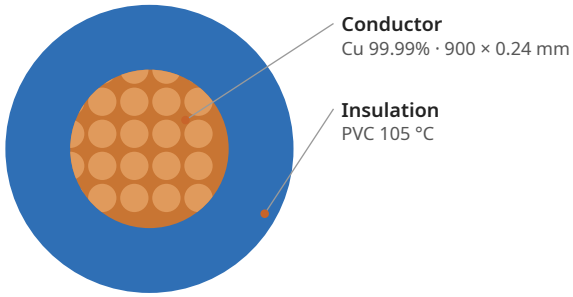
1 × 50 mm²

Cu/PVC 105 °C · 0.6/1 kV · Flexible Cable

Production No.	18733
Issue Date	13/11/2026
Item Code	040201050
Standard	IEC 60502-1

DESCRIPTION	SIZE	VOLTAGE GRADE	CODE DESIGNATION	CONDUCTOR
Cu/PVC 105 °C	1 × 50 mm²	600-1000 V	IEC 60502 NYA	900 × 0.24 mm

CROSS SECTION



APPLICATION

For indoor and outdoor fixed installations, normally used for power distribution. Suitable for laying in conduits as well as on steel support brackets in urban networks.

CONSTRUCTION

Conductor material	Copper 99.99%
Conductor type	Circular stranded
Wires × diameter	900 × 0.24 mm
Conductor diameter	7.2 mm
Insulation material	PVC 105 °C
Insulation thickness	3.2 mm
Core diameter	13.5 mm
Overall cable diameter	13.5 mm
Approx. cable weight	492.9 kg/km

ELECTRICAL PROPERTIES

Max. DC resistance at 20 °C	0.39 Ω/km
Max. AC resistance at 70 °C	0.46 Ω/km
Short-circuit current (1 s)	7.15 kA
Rated current, in air 40 °C *	157 A
Rated current, in pipe 40 °C *	131 A

* IEC 60364-5-52, single circuit, ambient 40 °C.

CORE IDENTIFICATION

- Black
- Grey
- Blue
- Orange
- Red
- Yellow
- Green/Yellow
- Brown

Other colours on customer request.

OPERATING TEMP.	SHORT-CIRCUIT TEMP.	RATED CURRENT	OVERALL DIAMETER	CABLE WEIGHT
105 °C	160 °C	157 A	13.5 mm	492.9
max. conductor	up to 5 s	in air, 40 °C	nominal	kg/km, approx.

COPPER LAND LLC
CR. 7051048804

Values are nominal and subject to manufacturing tolerances.

Scan for the online datasheet
copperland.sa/p/1x50-105