COPPER LAND

Amaleege

TECHNICAL DATASHEET

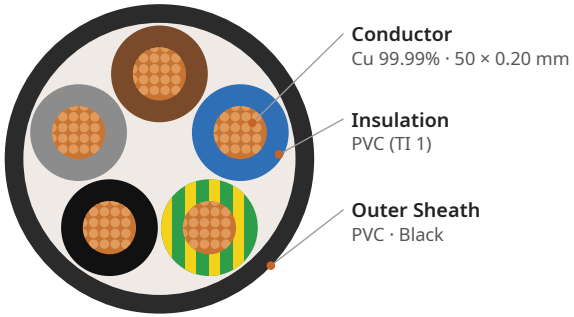
12 × 2.5 mm²

Cu/PVC/PVC · 0.6/1 kV · Flexible Cable

Production No.	17161
Issue Date	28/01/2026
Item Code	0106122-5
Standard	IEC 60502-1

DESCRIPTION	SIZE	VOLTAGE GRADE	CODE DESIGNATION	CONDUCTOR
Cu/PVC/PVC	12 × 2.5 mm²	600-1000 V	IEC 60502 NYY	50 × 0.20 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	50 × 0.20 mm
Conductor diameter	1.38 mm
Insulation material	PVC (TI 1)
Insulation thickness	1.1 mm
Core diameter	3.5 mm
Sheath thickness (nom.)	1.4 mm
Overall cable diameter	17.5 mm
Approx. cable weight	482.8 kg/km

ELECTRICAL PROPERTIES

Max. DC resistance at 20 °C	7.98 Ω/km
Max. AC resistance at 70 °C	9.55 Ω/km
Short-circuit current (1 s)	0.358 kA
Rated current, in air 40 °C *	22 A
Rated current, in pipe 40 °C *	17 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
75 °C	160 °C	22 A	17.5 mm	482.8
max. conductor	up to 5 s	in air, 40 °C	nominal	kg/km, approx.

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Values are nominal and subject to manufacturing tolerances.

Scan for the online datasheet
copperland.sa/p/12x2.5