COPPER LAND

Amaleege

TECHNICAL DATASHEET

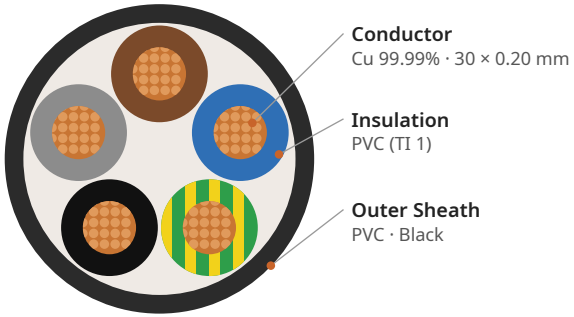
# 12 × 1 mm²

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

| | |
|---|---|
| Production No. | 18744 |
| Issue Date | 15/11/2026 |
| Item Code | 030612001 |
| Standard | IEC 60502-1 |

| DESCRIPTION | SIZE | VOLTAGE GRADE | CODE DESIGNATION | CONDUCTOR |
|---|---|---|---|---|
| Cu/PVC/PVC | 12 × 1 mm² | 600-1000 V | IEC 60502 NYY | 30 × 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 | 30 × 0.20 mm |
| Conductor diameter | 1.07 mm |
| Insulation material | PVC (TI 1) |
| Insulation thickness | 1 mm |
| Core diameter | 3 mm |
| Sheath thickness (nom.) | 1.2 mm |
| Overall cable diameter | 15.8 mm |
| Approx. cable weight | 369.7 kg/km |

## ELECTRICAL PROPERTIES

| | |
|---|---|
| Max. DC resistance at 20 °C | 19.5 Ω/km |
| Max. AC resistance at 70 °C | 23.33 Ω/km |
| Short-circuit current (1 s) | 0.143 kA |
| Rated current, in air 40 °C * | 8.5 A |
| Rated current, in pipe 40 °C * | 7 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 | 8.5 A | 15.8 mm | 369.7 |
| 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/12x1