# RCK-TGUM/BL12/20,0PUR-U - Master cable

1514469

https://www.phoenixcontact.com/us/products/1514469

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Master cable, number of positions: 12, status display: no; master cable connection: M23 socket, cable length: 20 m, shielding: no, this item is expected to be lead-free from Q3 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

ELEKTROGERÄTE RÜCKNAHME

## Commercial data

| | |
|---|---|
| Item number | 1514469 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB34 |
| Product key | ABRDCA |
| GTIN | 4017918918125 |
| Weight per piece (including packing) | 2,215.6 g |
| Weight per piece (excluding packing) | 2,209.144 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Master cable, assembled |
| Number of positions | 12 |

### Electrical properties

| | |
|---|---|
| Nominal voltage $U_N$ | 48 V AC |
| | 60 V DC |

### Connection data

| | |
|---|---|
| Connection method | Fixed connection |

### Signaling

| | |
|---|---|
| Status display present | no |

### Material specifications

| | |
|---|---|
| Material Housing | PUR |
| Material of contact, master cable side | CU alloy |
| Material of the contact carrier on the master cable side | PA |
| Material of contact surface, master cable side | gold-plated |

### Cable/line

| | |
|---|---|
| Cable length | 20 m |

PUR/PVC black [PUR]

| | |
|---|---|
| Dimensional drawing |  |
| Cable weight | 107.4 kg/km |
| UL AWM Style | 20549 (80°C/300 V) |
| Number of positions | 11 |
| Shielded | no |
| Cable type | PUR/PVC black [PUR] |
| Conductor structure signal line | 19x 0.15 mm |
| AWG signal line | 22 |
| Conductor structure, voltage supply | 42x 0.15 mm |
| AWG power supply | 18 |
| Conductor cross-section | 8x 0.34 mm² (Signal line) |

| | |
|---|---|
| | 3x 0.75 mm² (power line) |
| Wire diameter incl. insulation | 1.3 mm ±0.1 mm (Signal line) |
| | 1.8 mm ±0.1 mm (power line) |
| External cable diameter | 8.50 mm ±0.2 mm |
| Outer sheath, material | PUR |
| External sheath, color | black RAL 9005 |
| Conductor material | Bare Cu litz wires |
| Material wire insulation | PVC |
| Single wire, color | brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet |
| Inner sheath thickness | ≥ 0.15 mm |
| Thickness, outer sheath | ≥ 0.38 mm |
| Overall twist | Wires twisted in layers |
| Max. conductor resistance | ≤ 53 Ω/km (Signal line) |
| | ≤ 26 Ω/km (power line) |
| Insulation resistance | ≥ 5 MΩ*km |
| Nominal voltage, cable | 300 V AC |
| Test voltage Core/Core | 2000 V (50 Hz, 5 min.) |
| Minimum bending radius, fixed installation | 7.5 x D |
| Minimum bending radius, flexible installation | 10 x D |
| Smallest bending radius, fixed installation | 64 mm |
| Smallest bending radius, movable installation | 85 mm |
| Dynamic load capacity (bending) | Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s |
| Flame resistance | DIN EN 50265 |
| Resistance to oil | according to VDE 0472 Part 803 |
| Other resistance | Highly resistant to acids, alkaline solutions and solvents |
| Special properties | Silicone-free |
| Ambient temperature (operation) | -40 °C ... 90 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (Cable, flexible installation) |

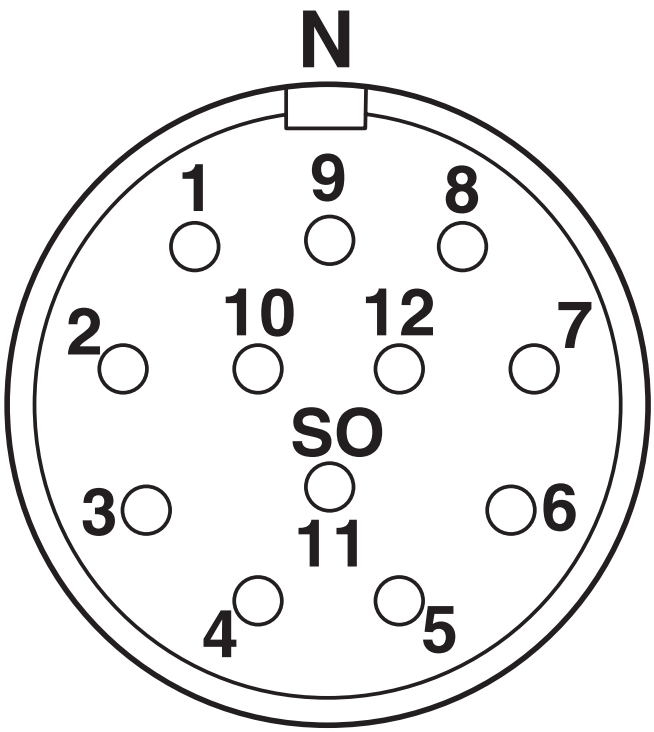
## Environmental and real-life conditions

### Ambient conditions

| | |
|---|---|
| Degree of protection | IP65 |
| | IP67 |
| Ambient temperature (operation) | -40 °C ... 125 °C |

## Drawings

Schematic diagram




Pin assignment M23 socket, 12-pos., female side view

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27060311 |
| ECLASS-15.0 | 27060311 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC001855 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 26121600 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 743feac4-ed0b-4c83-b458-ec758e53265f |

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com