

SACB-16X0,5/ 3X1,0-50,0 80MC - Master cable ring



1402304

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Master cable for sensor/actuator boxes, 19-wire, unshielded, PUR halogen-free, drag chain and robot compatible, black outer sheath, 16 x 0.5 mm² and 3 x 1.0 mm²



Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1402304 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | BF45 |
| Product key | AF3ZBX |
| GTIN | 4046356594196 |
| Weight per piece (including packing) | 9,200 g |
| Weight per piece (excluding packing) | 9,006 g |
| Customs tariff number | 85444995 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|---------------------|--------------------|
| Product type | Cable by the meter |
| Application | Distributor boxes |
| Number of positions | 19 |


Electrical properties

| | |
|-----------------------|----------|
| Nominal voltage U_N | 300 V AC |
| | 300 V DC |

Cable/line

| | |
|--------------|------|
| Cable length | 50 m |
|--------------|------|

PUR halogen-free, highly flexible [80MC]

| | |
|-------------------------------------|--|
| Dimensional drawing |  |
| Number of positions | 19 |
| Shielded | no |
| Cable type | PUR halogen-free, highly flexible [80MC] |
| Conductor structure signal line | 28x 0.15 mm |
| AWG signal line | 20 |
| Conductor structure, voltage supply | 56x 0.15 mm |
| AWG power supply | 17 |
| Conductor cross-section | 16x 0.5 mm ² (Signal line) 3x 1 mm ² (power line) |
| External cable diameter | 10.75 mm |
| Outer sheath, material | PUR |
| External sheath, color | black RAL 9005 |
| Conductor material | Bare Cu litz wires |
| Material wire insulation | PP |
| Single wire, color | brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown |
| Overall twist | Wires twisted to an optimum in two layers |
| Max. conductor resistance | 39 Ω/km (Signal line) |
| | 19.5 Ω/m (power line) |
| Insulation resistance | ≥ 10 MΩ*km (at 20 °C) |

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| | |
|---|--|
| Nominal voltage, cable | 300 V |
| Test voltage | 2000 V |
| Smallest bending radius, fixed installation | 90 mm |
| Smallest bending radius, movable installation | 120 mm |
| Dynamic load capacity (bending) | Max. bending cycles: 5000000, Bending radius: 120 mm, Traversing path: 5 m, Traversing rate: 3 m/s, Acceleration: 5 m/s ² |
| Dynamic load capacity (torsion) | Torsion: ±120 °/m, Torsion cycles: ≥3000000 |
| Halogen-free | The cable is halogen-free |
| Flame resistance | DIN EN 50265-2-1 |
| Resistance to oil | in accordance with DIN EN 60811-2-1 |
| Other resistance | somewhat resistant to welding sparks |
| Special properties | Silicone-free |
| | Free of substances which would hinder coating with paint or varnish |
| Ambient temperature (operation) | -30 °C ... 70 °C (cable, fixed installation) |
| | 5 °C ... 70 °C (Cable, flexible installation) |
| | to 80 °C (in acc. with UL) |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27060106 |
| ECLASS-15.0 | 27060106 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC003250 |
|-----------|----------|

UNSPSC

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

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

EF3.1 Climate Change

| | |
|---------|-----------------|
| CO2e kg | 102.916 kg CO2e |
|---------|-----------------|

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