

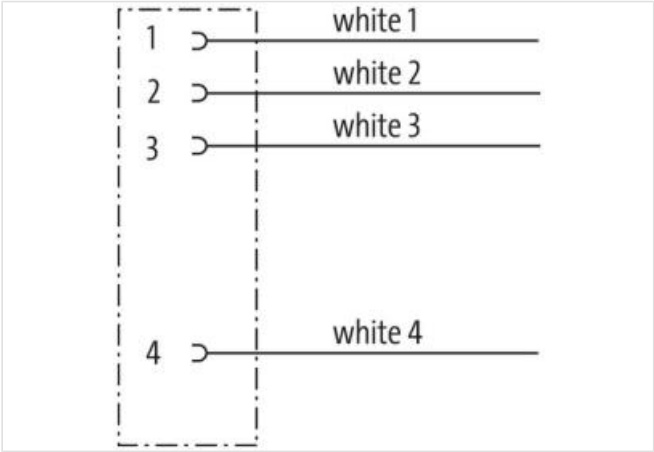
M12 female 0° A-cod. with cable

RADOX EM 104 4x0.5 bk 20m

Female straight
M12, 4-pole
with cable sleeves
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.
Further cable lengths on request.

[Link to Product](#)

Illustration



Product may differ from Image

| | |
|---|---------|
| Cable length | 20 m |
| Side 1 | |
| Tightening torque | 0,6 Nm |
| Family construction form | M12 |
| Thread | M12 x 1 |
| suitable for corrugated tube (internal Ø) | 10 mm |
| Coding | A |
| Width across flats | SW13 |

Side 2

| | |
|---------------------------|-------|
| Stripping length (jacket) | 40 mm |
|---------------------------|-------|

Commercial data

| | |
|-----------------------|---------------|
| ECLASS-6.0 | 27279218 |
| ECLASS-7.0 | 27279218 |
| ECLASS-8.0 | 27279218 |
| ECLASS-9.0 | 27060311 |
| ECLASS-10.1 | 27060311 |
| ECLASS-11.1 | 27060311 |
| ECLASS-12.0 | 27060311 |
| ETIM-5.0 | EC001855 |
| customs tariff number | 85444290 |
| GTIN | 4048879682831 |
| Packaging unit | 1 |

Electrical data | Supply

| | |
|------------------------------------|-------|
| Operating voltage AC max. | 250 V |
| Operating voltage DC max. | 250 V |
| Current operating per contact max. | 4 A |

Installation | Connection

| | |
|---------------------------|-------|
| Stripping length (jacket) | 40 mm |
|---------------------------|-------|

Device protection | Electrical

| | |
|------------------------------|--------|
| Pollution Degree | 3 |
| Rated surge voltage | 2,5 kV |
| Material group (IEC 60664-1) | I |

Mechanical data | Material data

| | |
|------------------|------------------|
| Coating locking | Nickel |
| Material housing | PUR |
| Locking material | Zinc die-casting |

Mechanical data | Mounting data

| | |
|-----------------|---------------------------------------|
| Mounting method | inserted, screwed, Shaking protection |
|-----------------|---------------------------------------|

Environmental characteristics | Climatic

| | |
|--|----------------------------|
| Operating temperature min. | -25 °C |
| Operating temperature max. | 85 °C |
| Additional condition temperature range | depending on cable quality |

Important installation notes

| | |
|------------------------|---|
| Note on strain relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |
| Note on bending radius | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |

Conformity

| | |
|------------------|--------------------------|
| Product standard | DIN EN 61076-2-101 (M12) |
|------------------|--------------------------|

Installation | Cable

| | |
|-------------------------------------|------------------------------------|
| wire arrangement | white 1, white 2, white 3, white 4 |
| Cable identification | R03 |
| Printing color of wire insulation | black (white isolation) |
| Printing spacing of wire insulation | 15 mm |
| Jacket Color | black |
| Amount stranding | 1 |
| Stranding | 4 wires twisted |
| wire arrangement | white 1, white 2, white 3, white 4 |
| Cable weight | 50,6 g/m |
| Material jacket | Radox EM 104 |

| | |
|---|--|
| Outer-diameter (jacket) | 5 mm |
| Tolerance outer diameter (sheath) | ± 5 % |
| Material wire insulation | Radox EI 303 |
| Amount wires | 4 |
| Outer diameter insulation | 1,42 mm |
| Outer diameter tolerance core insulation | ± 5 % |
| Printing color of wire insulation | black (white isolation) |
| Printing spacing of wire insulation | 15 mm |
| Amount strands (wire) | 19 |
| Diameter of single wires | 0,18 mm |
| Conductor crosssection (wire) | 0,5 mm ² |
| Material conductor wire | copper stranded wire, tinned |
| Max. rated voltage (conductor - conductor) | 1000 V |
| Max. rated voltage (conductor - ground) | 600 V |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. wire | 7,2 A |
| Electrical resistance line constant wire | 40,1 Ω/km @ 20 °C |
| AC withstand voltage (wire - wire) | 3,5 kV |
| Power frequency withstand voltage (wire - jacket) | 3,5 kV |
| Min. operating temperature (static) | -50 °C |
| Max. operating temperature (fixed) | 120 °C |
| Operating temperature min. (dynamic) | -25 °C |
| Operating temperature max. (dynamic) | 90 °C |
| Flame resistance | UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 |
| chemical resistance | Good, application-related testing |
| Gasoline resistance | Good, application-related testing |
| Oil resistance | DIN EN 60811-404 Good, application-related testing |
| Bending radius (fixed) | 3 x Outer diameter |
| Bending radius (dynamic) | 4 x Outer diameter |