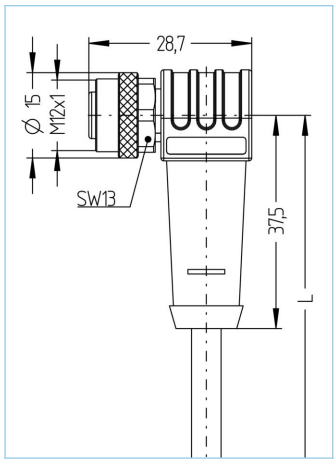
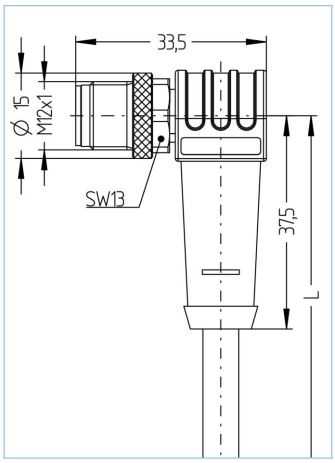
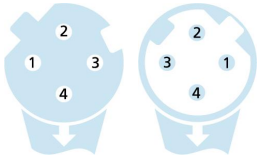
M12, female, angled, 4 poles, D-coded, M12, male, angled, 4 poles, D-coded, shielded, rail approved






| Product data | |
|---|---|
| Item description | RA-WWAKSY4.029-5-RA-WWASSY4.029/S4004 |
| Item-No. | 8075343 |
| Length | 5m |
| Customs tariff-No. | 85444290 |
| Step-File | RA-WWAKSY4-L-RA-WWASSY4.stp |
| EAN | 4047106160418 |

| Technical data | A-side | B-side |
|---|---|---|
| Connector | female, angled, M12 | male, angled, M12 |
| Number of pins | 4 | 4 |
| Pin assignment | 1 YE, 2 WH, 3 OG, 4 BU | 1 YE, 2 WH, 3 OG, 4 BU |
| Coding of | D | D |
| Rated voltage | 250V | 250V |
| Current load (at 40°C) | 4A | 4A |
| Insulation resistance | ≥$10^8$Ω | ≥$10^8$Ω |
| Resistance | ≤ 5mΩ | ≤ 5mΩ |
| Transmission features | Cat5e | Cat5e |
| Contact material | Metal, CuZn, gold-plated | Metal, CuZn, gold-plated |
| Contact-carrier material | Plastic, PA, BK | Plastic, PA, BK |
| Grip body material | Plastic, TPU, BK | Plastic, TPU, BK |
| Coupling nut material | Metal, CuZn, nickel-plated | Metal, CuZn, nickel-plated |
| Sealing (female) material | FPM/FKM | |
| Shielding | with shielding | with shielding |
| Standards | IEC 61076-2-101 | IEC 61076-2-101 |
| Mechanical life-cycle | >100 mating cycles | >100 mating cycles |
| Degree of pollution | 3 | 3 |

The information contained in this data sheet was compiled with the utmost care. The liability for the correctness, completeness and timelines is limited to gross negligence.

| Advanced technical data rail approved | |
|---|---|
| Standards | DIN EN 50155, DIN EN 45545-2 |
| Shock & vibration | Class 1, Category B (DIN EN 61373) |
| Degree of protection (mounted) | IP67 (-30°C...+90°C), IP65 (-40°C...+90°C) |
| Temperature range | Tx (-40°C...+90°C) |
| Fire prevention according to | DIN EN 45545-2 HL1-3 |

| Cable web | Cat5, RADOX®, ECO, 1x4xAWG22, S4004 |
|---|---|

Halogen-free, electron-beam cross-linked Cat5-cable with improved fire performance. Excellent features regarding NEXT, attenuation and screening characteristics (pair- and overall screen). This cable can be used for fixed and protected installation inside of rail vehicles and busses and fullfills the requirements according to EN 45545-2 (HL1 - HL3). It is optimally suited for all Ethernet applications of classes D to F (ECN and ETB) according to IEEE 802.3. For installation the guidelines of EN 50355 and EN 50343 must be considered. With a modified composition of materials and consistent technical features, this cable offers a cost-effective alternative to S4003. RADOX® is a registered trademark of HUBER+SUHNER AG, Switzerland.

| | |
|---|---|
| Outer diameter of jacket | 7.25 mm |
| Cable-jacket material | RADOX® EM 104 |
| Jacket color | BU |
| Wire cross-section | 1 x 4 x AWG22, star quad |
| Wire insulation material | RADOX® COM |
| Wire colors | WH, BU, OG, YE |
| Bending radius (fixed) | 6xØ cable |
| Bending radius (repeated) | 10xØ cable |
| Temperature range (fixed) | -50°C...+90°C |
| Fire prevention according to | DIN EN 45545-2 HL1-3, DIN 5510 fire prevention-levels 1-4, NF F16-101 category A1, A2, B, UNI CEI 11170, danger level LR1-LR4, NFPA 130, UN ECE R 118 |
| Shielding | Yes |
| Halogen-free | Yes |
| Transmission features | Cat5e |
| Special features | increased thermal load, flame retardant, low emission of smoke, halogen free, oil- and fuel resistant, RoHs compliant |

| Classification | |
|---|---|
| eCl@ss 6.0 | 27060307 |
| eCl@ss 7.0 | 27060307 |
| eCl@ss 8.0 | 27060307 |
| eCl@ss 9.0 | 27060307 |
| ETIM 5.0 | EC000830 |
| ETIM 6.0 | EC000830 |

## Accessories

Torque-wrench set
https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431

Marking rings Ø 9mm
https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809

Cable Stripping Tool
https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215

Mounting-clip, M12
https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660

Safety-clip, M12

Screw plug, M12
https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=812

Screw cap, M12
https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=811

## Link to product

https://www.escha.net/en/products/standard/connectors-for-bus-and-rail/8075343