

M12, male, straight, 4 poles, D-coded, M12, male, straight, 4 poles, D-coded, shielded, rail approved



| Product data | |
|--------------------|--------------------------------------|
| Item description | RA-WASSY4.029-10-RA-WASSY4.029/S4003 |
| Item-No. | 8090902 |
| Length | 10m |
| Customs tariff-No. | 85444290 |
| Step-File | RA-WASSY4-L-RA-WASSY4.stp |
| EAN | 4047106259679 |

| Technical data | A-side | B-side |
|--------------------------|----------------------------|----------------------------|
| Connector | male, straight, M12 | male, straight, 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 |
| 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 |

| 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®, 1x4xAWG22, S4003

Halogen-free, electron-beam cross-linked Cat5-cable with improved fire performance. This cable can be used for fixed and protected installation inside of rail vehicles and busses and fulfills the requirements according to EN 45545-2 (HL1 - HL3). It is optimally suited for all Ethernet applications of classes D (ECN) according to IEEE 802.3. For installation the guidelines of EN 50355 and EN 50343 must be considered. Due to its big diameter, this cable is predestined for robust applications. 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 | BK |
| 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 cap, M12

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