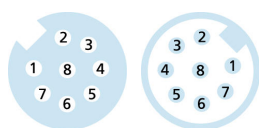
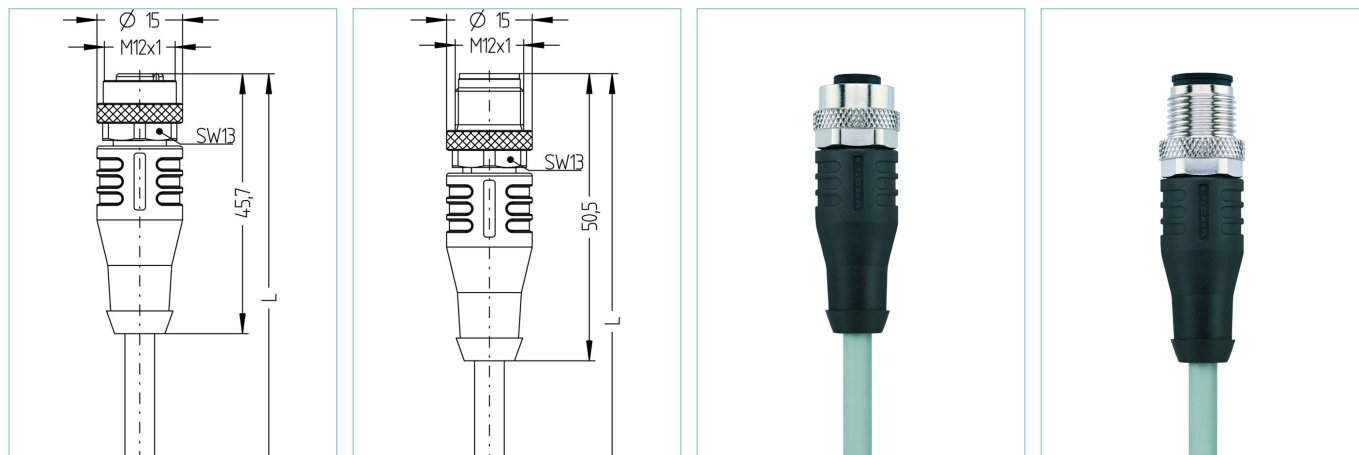


# M12, female, straight, 8 poles, M12, male, straight, 8 poles, shielded, rail approved



## Product data

|                    |                             |
|--------------------|-----------------------------|
| Item description   | RA-WAKS8-0,5-RA-WASS8/S5550 |
| Item-No.           | 8100246                     |
| Length             | 0.5m                        |
| Customs tariff-No. | 85444290                    |
| EAN                | 4047106282066               |

## Technical data

|                           | A-side                                         | B-side                                         |
|---------------------------|------------------------------------------------|------------------------------------------------|
| Connector                 | female, straight, M12                          | male, straight, M12                            |
| Number of pins            | 8                                              | 8                                              |
| Pin assignment            | 1 WH, 2 BN, 3 GN, 4 YE, 5 GY, 6 PK, 7 BU, 8 RD | 1 WH, 2 BN, 3 GN, 4 YE, 5 GY, 6 PK, 7 BU, 8 RD |
| Coding of                 | A                                              | A                                              |
| Rated voltage             | 30V                                            | 30V                                            |
| Current load (at 40°C)    | 2A                                             | 2A                                             |
| Insulation resistance     | $\geq 10^9 \Omega$                             | $\geq 10^9 \Omega$                             |
| Resistance                | $\leq 5 m\Omega$                               | $\leq 5 m\Omega$                               |
| 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                                              |

## 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 SABIX®, 8x0.25 mm², S5550

Halogen-free cable with improved behaviour in case of fire, easy to strip, flame retardant and self-extinguishing. The cable is intended for fixed, mechanically protected installation in railway vehicles. The cable fulfils the requirements according EN 45545-2 (HL1 - HL3). It is characterized by a wide temperature range. SABIX® is a registered trademark of SAB Bröckskes GmbH & Co. KG, Germany.

|                              |                                                                   |
|------------------------------|-------------------------------------------------------------------|
| Outer diameter of jacket     | 5.2 mm                                                            |
| Cable-jacket material        | SABIX®                                                            |
| Jacket color                 | GY, similar RAL7032                                               |
| Wire cross-section           | 8 x 0.25 mm²                                                      |
| Wire insulation material     | SABIX®                                                            |
| Wire colors                  | WH, BN, GN, YE, GY, PK, BU, RD                                    |
| Wire structure               | 14 x 0.15 mm                                                      |
| Bending radius (fixed)       | 5xØ-cable                                                         |
| Bending radius (repeated)    | 10xØ-cable                                                        |
| Temperature range (repeated) | -30°C...+90°C                                                     |
| Temperature range (fixed)    | -40°C...+90°C                                                     |
| Fire prevention according to | DIN EN 45545-2 HL1-3                                              |
| Halogen-free                 | Yes                                                               |
| Special features             | flame retardant, halogen free, RoHs compliant, self-extinguishing |

## Classification

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27279218 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |
| ETIM 5.0   | EC001855 |
| ETIM 6.0   | EC001855 |

## 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>

### 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>

### Mounting-clip, M12

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660>

### Mounting-set, M12

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8047664>

### Safety-clip, M12