

## FEATURES

- Wire is un-terminated and partially stripped
- Cable length is 10m
- Insulation Resistance  $\geq 100 \text{ M}\Omega$
- Brass nickel plated coupling nut

# RS PRO M12 FEMALE CONNECTOR ASSEMBLY 8 PIN 8 WIRE STRAIGHT 10m 0.25 sq. mm PVC SHIELDED BLACK CABLE

RS Stock No.: 2500643



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

**Product Description**  
**ATTRIBUTE 1**

## M12 Single Ended Cable Assembly

Brought to you under the trusted RS Brand, this range of M12 connector cable assemblies are commonly used in sensor and automation equipment. Boasting a high degree of environmental protection, they are ideal for industrial use. Fitted with a secure coupling nut, these RS M12 Connector Cable Assemblies are left un-terminated and partially stripped at one end, and are an ideal solution for when secure and reliable data transference is needed.

### Features and Benefits:

- Wire is un-terminated and partially stripped
- Insulation Resistance  $\geq 100 \text{ M}\Omega$
- Neoprene O-Ring
- Brass nickel plated coupling nut

### General Specifications

|                           |                            |
|---------------------------|----------------------------|
| Rated Operational Voltage | 30 V                       |
| Current Rating            | 2A                         |
| Insulation Resistance     | $\geq 100 \text{ M}\Omega$ |
| Temperature Range         | -25°C ... +75°C            |
| Tightening Torque         | 0.6 Nm                     |
| Coding                    | A-Coded                    |

### Material Specifications

|                 |                     |
|-----------------|---------------------|
| Grip Material   | PU                  |
| Contact         | Cu-Zn               |
| Contact Plating | Gold Flash          |
| Contact Carrier | Nylon 66            |
| O-Ring          | Neoprene            |
| Grip Color      | Black               |
| Coupling Nut    | Brass Nickel-Plated |

## Cable Specifications

|                       |                                  |
|-----------------------|----------------------------------|
| Cable Length-L        | 10 m                             |
| Cable Type            | 8 Core PVC Shielded Multi Strand |
| Sheath Color          | Black                            |
| Cross Section of Wire | 0.25 sq. mm                      |
| Core Dia              | 1.3 mm                           |
| Cable Dia             | 6.0 ± 0.1 mm                     |
| Shield Details        | Braiding (80%)                   |
| Termination           | Partially Stripped               |

## Protection Category

|                      |      |
|----------------------|------|
| Degree of Protection | IP67 |
|----------------------|------|

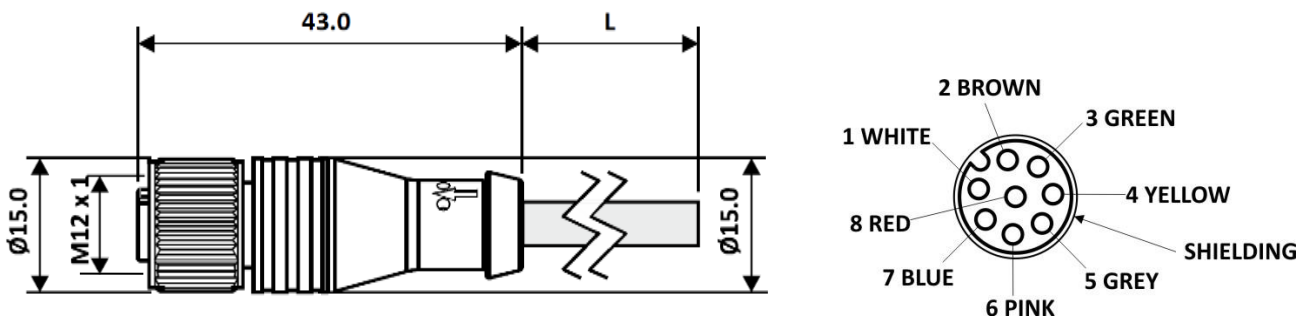
## Additional Information

|                      |          |
|----------------------|----------|
| Custom Tariff Number | 85369090 |
|----------------------|----------|

## Approvals

|               |                 |
|---------------|-----------------|
| Standards Met | IEC 61076-2-101 |
|---------------|-----------------|

## Connection Diagrams / Assembly Diagrams / Illustrations / Accessories



All Dimensions are in mm.