

# Product data sheet

## Binder connectors

Connecting cable, male angled connector M12x1 & female angled connector M12x1

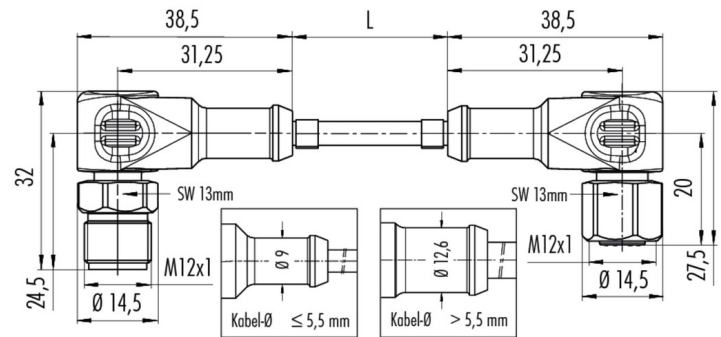


## overmoulded, stainless steel

PVC Cable, UL approval

77 3734 3727 20912 0500

<https://www.ac-solutions.be/en/product/7737343727209120500>



## Specifications

### General Characteristics

|                    |                             |
|--------------------|-----------------------------|
| Screw size         | M12-A                       |
| Series             | Sensor                      |
| Subseries          | 763                         |
| Gender             | Male & Female               |
| Number of contacts | 12                          |
| Contact terminal   | Crimp, overmoulded on cable |
| Color              | Grey                        |
| Upper temperature  | +105 °C                     |
| Lower temperature  | -40 °C                      |
| Protection degree  | IP69K                       |
| Locking system     | Screw (M12-A)               |
| Mating cycles      | >100                        |
| Connector Diameter | 14.5 mm                     |
| Cable Length       | 5 m                         |

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|                       |                      |
|-----------------------|----------------------|
| Cable sheath          | 6.6 mm               |
| Wire gauge            | 24 AWG               |
| Wire-section          | 0.25 mm <sup>2</sup> |
| Radius cable fixed    | Min. 5xD             |
| Radius cable movable  | min. 10xD            |
| Single lead structure | 32x0,1               |

## Electrical parameters

|                         |       |
|-------------------------|-------|
| Nominal current         | 1.5 A |
| Nominal voltage         | 30 V  |
| Impuls voltage          | 800 V |
| Max. contact resistance | 3 m?  |
| Conductor resistance    | 79    |
| Pollution degree        | 3     |
| Overvoltage categorie   | II    |

## Material

|                        |                             |
|------------------------|-----------------------------|
| Material group         | II                          |
| Material of insert     | PP                          |
| Material of housing    | PP                          |
| Material of contact    | Cuzn (Brass), Cusn (Bronze) |
| Plating                | Au (Gold)                   |
| Housing of cable       | PVC                         |
| Insulation single lead | PVC                         |