

## Product Information

## Hygienic Design - Accessories

# Hygienic Connection Cable Series ACH (4- and 5-pole)



- Cable socket M12x1
- PVC-cable flexcord grey
- Straight or angular type
- 4- or 5- pole, wire-end sleeve
- Material stainless steel union nut
- IP67 according to IEC 60529/A1
- IP69K protected against high pressure and steam-cleaning according to IEC 60529/A1
- Heat- and cold-resistant, operating range -25..70°C
- Vibration lock
- Industry-standard-cable colors

## Characteristics

The connection cable is suitable for middle mechanical strain. High reliability against acids and caustics.

Therefore the cables are ideal for application in food and beverage industry.

Conditional abrasion characteristics, dependent arising oil and chemical resistance.

## Technical data

|                      |                                             |
|----------------------|---------------------------------------------|
| Connector            | : socket M12x1                              |
| Handle body          | : plastic, PVC                              |
| Cap nut              | : stainless steel 1.4404                    |
| Contact retainer     | : plastic PVC grey                          |
| Contacts             | : metal, Cu Zn, gold-plated                 |
| Seal                 | : plastic, FPM, FKM                         |
| Current load         | : max. 4 A                                  |
| Rated voltage        | : max. 250 V                                |
| Isolation resistance | : $\geq 10^9$ MΩ                            |
| Degree of pollution  | : 3/2, according to DIN VDE 0110            |
| Ambient temperature  | : -25..70 °C                                |
| Protection class     | : IP67/IP69K<br>(only in closed conditions) |
| Mechanical life      | : minimal 100 mating cycles                 |

## Cable colors:

1 = brown, 2 = white, 3 = blue, 4 = black, 5 = grey

## 4-pole

### Ordering code for straight sockets

ACH111 -  1. -  2. -  3.

|                        |                    |
|------------------------|--------------------|
| <b>1. Cable length</b> |                    |
| 005                    | 5 meter (standard) |
| 010                    | 10 meter           |
| <b>2. Shield</b>       |                    |
| 0                      | without shield     |
| <b>3. Options</b>      |                    |
| 00                     | without option     |

### Ordering code for angular sockets

ACH121 -  1. -  2. -  3.

|                        |                    |
|------------------------|--------------------|
| <b>1. Cable length</b> |                    |
| 005                    | 5 meter (standard) |
| 010                    | 10 meter           |
| 020                    | 20 meter           |
| 0                      | without shield     |
| <b>2. Shield</b>       |                    |
| 0                      | without shield     |
| <b>3. Options</b>      |                    |
| 00                     | without option     |

## 5-pole

### Ordering code for straight sockets

ACH112 -  1. -  2. -  3.

|                        |                    |
|------------------------|--------------------|
| <b>1. Cable length</b> |                    |
| 005                    | 5 meter (standard) |
| 010                    | 10 meter           |
| <b>2. Shield</b>       |                    |
| 0                      | without shield     |
| <b>3. Options</b>      |                    |
| 00                     | without option     |

### Ordering code for angular sockets

ACH122 -  1. -  2. -  3.

|                        |                    |
|------------------------|--------------------|
| <b>1. Cable length</b> |                    |
| 005                    | 5 meter (standard) |
| 010                    | 10 meter           |
| 020                    | 20 meter           |
| <b>2. Shield</b>       |                    |
| 0                      | without shield     |
| <b>3. Options</b>      |                    |
| 00                     | without option     |

## Product Information

## Hygienic Design - Accessories

# Hygienic Connection Cable Series ACH (8-pole, shielded)



- Cable socket M12x1
- PVC- and halogen-free cable, dove-blue, matt
- Straight or angular type
- 8-pole, wire-end sleeve
- stainless steel union nut
- IP67 according to IEC 60529/A1
- IP69K protected against high-pressure and steam-cleaning according to IEC 60529/A1
- Heat- and cold-resistant, operating temp. -40..+105 °C
- Vibration lock

## Characteristics

This shielded, flexible, flame-resistant and halogen-free sensor cable is perfectly suitable for industrial mechanical and plant engineering with highest demands, especially for the application in the food and beverage industry (packaging and filling machines).

Resistant against all common acidic and alkaline detergents and disinfection agents.

## Technical data

|                      |                                             |
|----------------------|---------------------------------------------|
| Connector            | : socket M12x1                              |
| Handle body          | : plastic, PVC                              |
| Cap nut              | : stainless steel 1.4404                    |
| Contact retainer     | : plastic PVC grey                          |
| Contacts             | : metal, Cu Zn, gold-plated                 |
| Seal                 | : plastic, FPM, FKM                         |
| Current load         | : max. 4 A                                  |
| Rated voltage        | : max. 250 V                                |
| Isolation resistance | : $\geq 10^9$ MΩ                            |
| Degree of pollution  | : 3/2, according to DIN VDE 0110            |
| Ambient temperature  | : -25..70 °C                                |
| Protection class     | : IP67/IP69K<br>(only in closed conditions) |
| Mechanical life      | : minimal 100 mating cycles                 |

## Cable colors:

1 = brown, 2 = white, 3 = blue, 4 = black, 5 = gray, 6 = pink,  
 7 = blue, 8 = red, shield = black

## 8-pole, straight

### Ordering code

ACH113 -  1. -  2. -  3.

| Location Martens       |                                         |
|------------------------|-----------------------------------------|
| <b>1. Cable length</b> |                                         |
| 005                    | 5 meter                                 |
| 010                    | 10 meter                                |
| <b>2. Shield</b>       |                                         |
| 1                      | shield<br>(not placed on the union nut) |
| <b>3. Options</b>      |                                         |
| 00                     | without option                          |

## 8-pole, angular

### Ordering code

ACH123 -  1. -  2. -  3.

| Location Martens       |                                         |
|------------------------|-----------------------------------------|
| <b>1. Cable length</b> |                                         |
| 005                    | 5 meter                                 |
| 010                    | 10 meter                                |
| <b>2. Shield</b>       |                                         |
| 1                      | shield<br>(not placed on the union nut) |
| <b>3. Options</b>      |                                         |
| 00                     | without option                          |