

Product **male angled cable connector, overmoulded, stainless steel, PVC cable**  
 Area **M12-A Series 763 FOOD & BEVERAGE**  
 Article number **77 3727 0000 20404-0500**

| Illustration | Scale drawing | Contact Arrangement  |  |   |   |   |      |      |   |      |      |   |       |      |   |      |       |
|--------------|---------------|--|--|---|---|---|------|------|---|------|------|---|-------|------|---|------|-------|
|              |               | <table border="1" style="margin: 10px auto;"> <thead> <tr> <th></th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2,50</td> <td>0,00</td> </tr> <tr> <td>2</td> <td>0,00</td> <td>2,50</td> </tr> <tr> <td>3</td> <td>-2,50</td> <td>0,00</td> </tr> <tr> <td>4</td> <td>0,00</td> <td>-2,50</td> </tr> </tbody> </table> <p style="font-size: small;">Geschirmte Versionen: Schirm auf Gehäuse<br/>Shielded versions: shield on housing</p> |  | X | Y | 1 | 2,50 | 0,00 | 2 | 0,00 | 2,50 | 3 | -2,50 | 0,00 | 4 | 0,00 | -2,50 |
|              | X             | Y  |  |   |   |   |      |      |   |      |      |   |       |      |   |      |       |
| 1            | 2,50          | 0,00   |  |   |   |   |      |      |   |      |      |   |       |      |   |      |       |
| 2            | 0,00          | 2,50   |  |   |   |   |      |      |   |      |      |   |       |      |   |      |       |
| 3            | -2,50         | 0,00   |  |   |   |   |      |      |   |      |      |   |       |      |   |      |       |
| 4            | 0,00          | -2,50  |  |   |   |   |      |      |   |      |      |   |       |      |   |      |       |

## Technical data

### General features

|                          |                             |
|--------------------------|-----------------------------|
| Connector Design         | Cable Connector             |
| Connector locking system | screw                       |
| Termination              | crimp, overmoulded on cable |
| Wire gauge (mm)          | 0,34                        |
| Wire gauge (AWG)         | 22                          |
| Upper temperature        | 105 °C                      |
| Lower temperature        | -40 °C                      |

### Cable data

|   |                |
|---|----------------|
| material housing                        | PVC            |
| Insulation single lead                  | PVC            |
| Single lead structure                   | 32 x 0,1       |
| Cable sheath Ø                          | 4.8            |
| Conductor resistance                    | 79 Ω/Km (20°C) |
| Temperature range cable movable °C from | -5             |
| Temperature range cable movable °C to   | 105            |
| Temperature range cable fixed °C from   | -40            |
| Temperature range cable fixed °C to     | 105            |
| Bending radius cable fixed              | min. 5 x D     |
| Bending radius cable movable            | min. 10 x D    |
| Approval 1                              | UL listed      |
| Approval 2                              | Ecolab         |

### Electrical parameters

|                       |                     |
|-----------------------|---------------------|
| Rated voltage         | 250 V               |
| Rated impulse voltage | 2500 V              |
| Pollution degree      | 3                   |
| Overvoltage category  | II                  |
| Material group        | II                  |
| Rated current (40°C)  | 4 A                 |
| Volume resistivity    | ≤ 3 mΩ              |
| EMV compliance        | not shielded        |
| Degree of protection  | IP69K               |
| Mechanical operation  | > 100 Mating cycles |

### Material

|                          |               |
|--------------------------|---------------|
| Material of contact      | CuSn (Bronze) |
| Contact plating          | Au (gold)     |
| Material of contact body | PP            |
| Material of housing      | PP            |