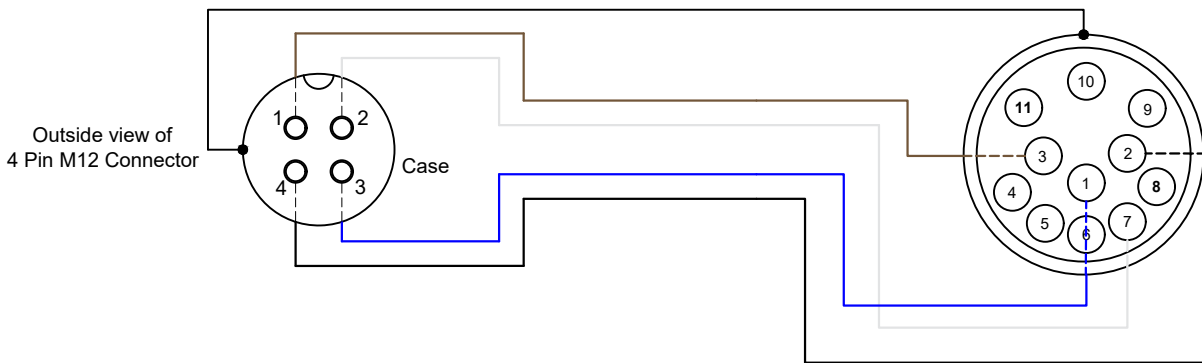
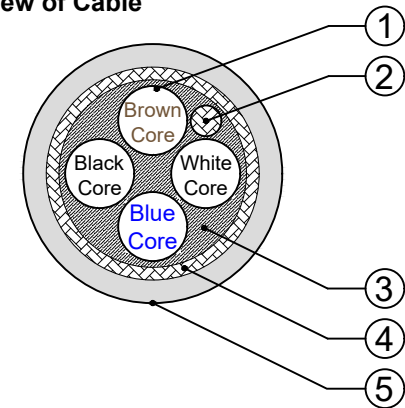


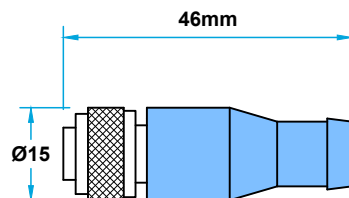
## Connection Details of Cable Assembly



## Inside View of Cable



**HS-AC164** M12 4  
pole  
straight connector



11 Pin Fischer  
Plug Connector



| Materials of Cable                                                                                                    |                                                                                                                                                                                      |                |                   |                                      |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|--------------------------------------|
| Pos                                                                                                                   | Description                                                                                                                                                                          | Dimension      | Overall Diameter  | Remarks                              |
| Cable description: LiF9YHC11YH 4 x 0.34mm <sup>2</sup> with drain wire qualified for drag chains acc. to UL/CSA 20233 |                                                                                                                                                                                      | Bending radius | min. 10 x outer-Ø | Moving                               |
|                                                                                                                       |                                                                                                                                                                                      |                | min. 5 x outer-Ø  | Fixed installation                   |
| 1.                                                                                                                    | Conductor, bare soft copper wire                                                                                                                                                     |                | 0.10mm            | acc. to VDE 0295, cl 6               |
| 2.                                                                                                                    | Screen wire, tinned copper                                                                                                                                                           |                | 0.20mm            |                                      |
| 3.                                                                                                                    | Stranding, 4 cores surrounding a woollen inner core                                                                                                                                  |                |                   | Length of lay approx 43mm drain wire |
| 4.                                                                                                                    | Screen, tinned copper                                                                                                                                                                |                |                   | Coverage: 84% min                    |
| 5.                                                                                                                    | Outer sheath, Polyether-Polyurethane PUR11Y Flame retardant acc. to VDE 0472, Part 804/B Oil resistant acc. to VDE 0472, Part 803 Halogen free, free of silicone, seawater-resistant |                | 5.9 ±0,2mm        | Grey similar to RAL7040              |

| Technical Data of Cable |                         |                    |
|-------------------------|-------------------------|--------------------|
| Technical Data          | Values at 20°C          | Unit               |
| Resistance              | ≤57                     | Ω / km             |
| Test voltage            | 2                       | KV                 |
| Normal voltage          | 300                     | V                  |
| Inductance              | 0.7                     | µH/m               |
| Capacitance             | Parallel wires: 66.7    | pF/m               |
|                         | Nonparallel wires: 63.1 |                    |
|                         | Wire/screen: 120.0      |                    |
| Temperature range       | -40°C bis + 80°C        | Moving             |
|                         | -50°C bis + 80°C        | Fixed installation |