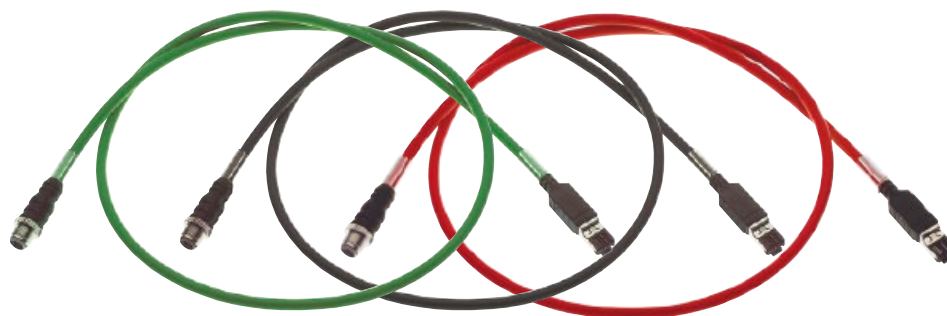


## System cables



Han® M12 / RJ45  
System cable, 4-wire

Han® M12 connection cable, D-coding, to RJ45 (IP 20), overmoulded

|       |                          |               |                          |                           |                                     |        |                                     |        |                          |
|-------|--------------------------|---------------|--------------------------|---------------------------|-------------------------------------|--------|-------------------------------------|--------|--------------------------|
| IP 20 | <input type="checkbox"/> | IP 65 / IP 67 | <input type="checkbox"/> | IP 65 / IP 67<br>to IP 20 | <input checked="" type="checkbox"/> | Cat. 5 | <input checked="" type="checkbox"/> | Cat. 6 | <input type="checkbox"/> |
|-------|--------------------------|---------------|--------------------------|---------------------------|-------------------------------------|--------|-------------------------------------|--------|--------------------------|

|                          |                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------|
| Connector types          | Han® M12 D-coding, overmoulded (IP 65 / IP 67)<br>RJ45 4-pole, contacts 1/2 and 3/6, overmoulded (IP 20) |
| Cable types              | 4 x AWG 22/7, Star quad, double shielding                                                                |
| Sheath material          | PUR / PVC                                                                                                |
| Wiring                   | 4-pole                                                                                                   |
| Transmission performance | Cat. 5 / Class D up to 100 MHz<br>according to ISO/IEC 11 801:2002, EN 50 173-1                          |
| Transmission rate        | 10/100 Mbit/s                                                                                            |
| Shielding                | Fully shielded, 360° shielding contact                                                                   |

Operating temperature range –25 °C ... +70 °C

Standard lengths 1 m / 3 m / 5 m / 10 m  
other lengths available on request

Colour Green / Black  
Red (SERCOS III)

**Advantages**  
Robust design  
PUR variants are useable as trailing cables  
PROFINET compliant

| Contact assignment | Signal | M12 D-coding | RJ45 |
|--------------------|--------|--------------|------|
|                    | TD+    | 1            | 1    |
|                    | TD-    | 3            | 2    |
|                    | RD+    | 2            | 3    |
|                    | RD-    | 4            | 6    |

| Identification                           | PUR            | Part number<br>PVC | SERCOS III PUR     | Drawing | Dimensions in mm |
|------------------------------------------|----------------|--------------------|--------------------|---------|------------------|
| Han® M12 / RJ45<br>System cable, 4-adrig | Green          | Black              | Red                |         |                  |
| Length 1.0 m                             | 09 45 700 5022 | 09 45 700 5063     | 09 47 220 2003 018 |         |                  |
| Length 3.0 m                             | 09 45 700 5025 | 09 45 700 5066     | 09 47 220 2005 018 |         |                  |
| Length 5.0 m                             | 09 45 700 5027 | 09 45 700 5068     | 09 47 220 2007 018 |         |                  |
| Length 10.0 m                            | 09 45 700 5051 | 09 45 700 5073     | 09 47 220 2012 018 |         |                  |
| Length 20.0 m                            | 09 45 700 5053 | 09 45 700 5075     | 09 47 220 2014 018 |         |                  |