

## HAR PROFINET Typ B 4xAWG22/7 PVC 100m

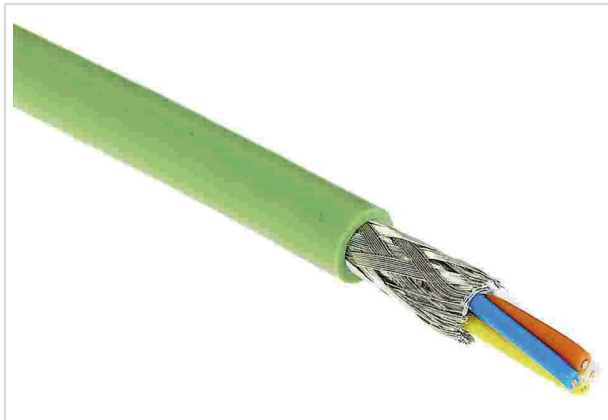


Image is for illustration purposes only. Please refer to product description.

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 45 600 0102                                                                |
| Specification      | HAR PROFINET Typ B 4xAWG22/7 PVC 100m                                         |
| HARTING eCatalogue | <a href="https://harting.com/09456000102">https://harting.com/09456000102</a> |

### Identification

|                          |                                                                                                                                                                                                                                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Category                 | System cabling                                                                                                                                                                                                                     |
| Element                  | Bulk cables                                                                                                                                                                                                                        |
| Specification            | Not assembled                                                                                                                                                                                                                      |
| Type of cable            | Copper cable (round)                                                                                                                                                                                                               |
| Description of the cable | Flame retardant<br>Sunlight resistant                                                                                                                                                                                              |
| Printing on cable        | HARTING INDUSTRIAL ETHERNET STRANDED CABLE CAT 5 PLUS * 22AWG (SHIELDED) (UL) E333432 CMG FT4 or PLTC SUN RES or AWM 21695 80°C 600V * 094560001020200 "sequential length in metres" * "year/internal order number" "HARTING-LOGO" |

### Version

|                 |             |
|-----------------|-------------|
| Cable length    | 100 m       |
| Number of cores | 4           |
| Core structure  | 4x AWG 22/7 |

### Technical characteristics

|                              |                                                                                    |
|------------------------------|------------------------------------------------------------------------------------|
| Transmission characteristics | Cat. 5 Class D up to 100 MHz                                                       |
| Data rate                    | 10 Mbit/s<br>100 Mbit/s                                                            |
| Loop resistance              | ≤120 Ω/km                                                                          |
| Limiting temperature         | -40 ... +80 °C<br>-20 ... +60 °C During laying<br>-50 ... +80 °C storage/transport |
| Cable diameter               | 6.3 ... 6.7 mm                                                                     |



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## Technical characteristics

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Minimum bending radius           | 5x Cable diameter (repeated bending)<br>3x Cable diameter (singular bending) |
| Torsional strength               | ≥ 30.000 @ torsion angle= ±180°/m                                            |
| Test voltage U <sub>r.m.s.</sub> | 2 kV Wire / wire / shielding                                                 |
| Conductor resistance @ 20 °C     | ≤120 Ω/km                                                                    |
| Insulation resistance @ 20 °C    | ≥500 MΩ x km                                                                 |
| Signal run time @ 20 °C          | ≤5.3 ns/m                                                                    |
| Impedance @ 100 MHz              | 100 Ω ±5 %                                                                   |

## Material properties

|                                      |               |
|--------------------------------------|---------------|
| Material (cable)                     | PVC           |
| Colour (cable)                       | Green         |
| RoHS                                 | compliant     |
| ELV status                           | compliant     |
| China RoHS                           | e             |
| REACH Annex XVII substances          | Not contained |
| REACH ANNEX XIV substances           | Not contained |
| REACH SVHC substances                | Not contained |
| California Proposition 65 substances | Not contained |

## Specifications and approvals

|                |                                                                                              |
|----------------|----------------------------------------------------------------------------------------------|
| Specifications | EN 13602<br>EN 50290-2-23<br>EN 50290-2-22<br>UN/ECE-R 118 fire protection for rolling stock |
| PROFINET       | Yes                                                                                          |

## Commercial data

|                                |                                                |
|--------------------------------|------------------------------------------------|
| Packaging size                 | 1                                              |
| Net weight                     | 5,400 g                                        |
| Net weight                     | 68 g/m                                         |
| Country of origin              | Germany                                        |
| European customs tariff number | 85444995                                       |
| GTIN                           | 5713140061767                                  |
| eCl@ss                         | 27061801 Data and communication cable (copper) |



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Commercial data

|             |          |
|-------------|----------|
| ETIM        | EC003249 |
| UNSPSC 24.0 | 26121609 |