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# HAR PROFINET TypR AWG22/19 PUR, 500m

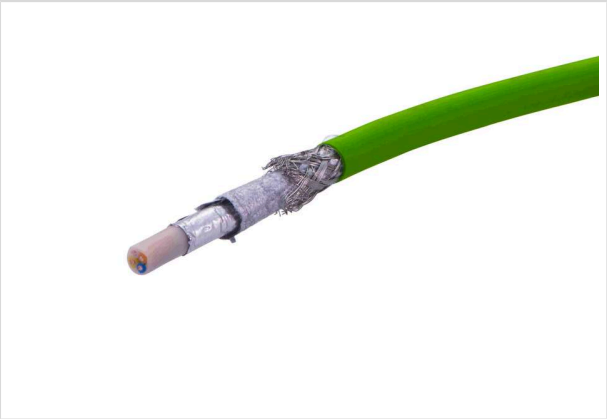


Image is for illustration purposes only. Please refer to product description.

| | |
|---|---|
| Part number | 09 45 600 1111 |
| Specification | HAR PROFINET TypR AWG22/19 PUR, 500m |
| HARTING eCatalogue | https://harting.com/09456001111 |

## Identification

| | |
|---|---|
| Category | System cabling |
| Element | Bulk cables |
| Specification | Not assembled |
| Type of cable | Copper cable (round) |
| Description of the cable | Type R<br>Flame retardant<br>Oil resistant<br>Halogen-free |
| Printing on cable | HARTING INDUSTRIAL ETHERNET CABLE PROFINET ROBOTIC CAT 5 22AWG AWM 21329 80°C 600V 094560001010401 "sequential length in meters" * "year/internal order number" HARTING-LOGO" |

## Version

| | |
|---|---|
| Cable length | 500 m |
| Number of cores | 4 |
| Core structure | 4x AWG 22/19 |

## Technical characteristics

| | |
|---|---|
| Rated voltage | 600 V |
| Transmission characteristics | Cat. 5 Class D up to 100 MHz |
| Data rate | 10 Mbit/s<br>100 Mbit/s |
| Limiting temperature | -40 ... +80 °C unmoved<br>-20 ... +80 °C moved |
| Cable diameter | 6.3 ... 6.7 mm |
| Minimum bending radius | 5x Cable diameter (singular bending) |


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## Technical characteristics

| | |
|---|---|
| Drag chain compatible | Yes |
| Bending cycles | ≥ 5.000.000 @ Bending radius = 75 mm @ length ≤ 5 m @ speed ≤ 5 m/s @ acceleration ≤ 20 m/s² |
| Cycles of alternating bending (tic-toc test) | 1.000.000 @ Bending radius = 75 mm |
| Torsional strength | ≥ 5.000.000 @ torsion angle= ±180° @ 1m |
| Test voltage $U_{r.m.s.}$ | 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) | PUR (polyurethane) |
| 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 | IEC 60332-1-2 Flame retardancy<br>IEC 61034 Smoke density<br>EN 60811-404 Oil resistance<br>IEC 60754-1 Halogen freeness<br>RoHS 2011/65/EU |
| UL / CSA | AWM21329 (80 °C / 600 V) |
| PROFINET | Yes |

## Commercial data

| | |
|---|---|
| Packaging size | 1 |
| Net weight | 35,400 g |
| Country of origin | Italy |
| European customs tariff number | 85444995 |


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## Commercial data

| | |
|---|---|
| GTIN | 5713140570825 |
| eCl@ss | 27061801 Data and communication cable (copper) |
| UNSPSC 24.0 | 26121609 |


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