



Pushing Performance  
Since 1945

# RJ45 10G AWG24 EtherRail Cat7 7,5m



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

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Part number        | 09 48 636 3751 075                                                                  |
| Specification      | RJ45 10G AWG24 EtherRail Cat7 7,5m                                                  |
| HARTING eCatalogue | <a href="https://harting.com/09486363751075">https://harting.com/09486363751075</a> |

## Identification

|               |                             |
|---------------|-----------------------------|
| Category      | System cabling              |
| Series        | RJ45                        |
| Element       | Cable assemblies            |
| Specification | Pre-assembled on both sides |
| Connector 1   | HARTING RJ Industrial®      |
| Connector 2   | HARTING RJ Industrial®      |
| Type of cable | Copper cable (round)        |

## Version

|                    |                |
|--------------------|----------------|
| Cable length       | 7.5 m          |
| Number of cores    | 8              |
| Core structure     | 4x 2x AWG 24/7 |
| Number of contacts | 8              |

## Technical characteristics

|                              |                              |
|------------------------------|------------------------------|
| Transmission characteristics | Cat. 7 Class F up to 600 MHz |
| Data rate                    | 10 Mbit/s                    |
|                              | 100 Mbit/s                   |
|                              | 1 Gbit/s                     |
|                              | 2.5 Gbit/s                   |
|                              | 5 Gbit/s                     |
|                              | 10 Gbit/s                    |
| Limiting temperature         | -20 ... +70 °C               |
| Cable diameter               | 8.1 mm ± 0.3 mm              |



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## Technical characteristics

|                        |                                      |
|------------------------|--------------------------------------|
| Minimum bending radius | 5x Cable diameter (singular bending) |
|                        | 6x Cable diameter (repeated bending) |

## Material properties

|                                      |                                                          |
|--------------------------------------|----------------------------------------------------------|
| Material (cable)                     | Polyolefin copolymer electron beam crosslinked Comp 752  |
| Colour (cable)                       | Black                                                    |
| RoHS                                 | compliant                                                |
| ELV status                           | compliant                                                |
| China RoHS                           | e                                                        |
| REACH Annex XVII substances          | Not contained                                            |
| REACH ANNEX XIV substances           | Not contained                                            |
| REACH SVHC substances                | Yes                                                      |
| REACH SVHC substances                | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one |
| ECHA SCIP number                     | d361ed36-dee0-4df8-9f2e-b62dd7563c1a                     |
| California Proposition 65 substances | Not contained                                            |

## Specifications and approvals

|                |                                                |
|----------------|------------------------------------------------|
| Specifications | EN 45545-2 Fire protection on railway vehicles |
|                | EN 50264-1 Fire protection on railway vehicles |
|                | EN 50306-1 Fire protection on railway vehicles |
|                | NFPA 130 Fire protection on railway vehicles   |
|                | UN/ECE-R 118 fire protection for rolling stock |
|                | EN 50306-4 Resistance to ozone                 |
|                | EN 60811-504 High low temperature resistance   |
|                | EN 60811-404 High oil resistance               |
|                | EN 60811-404 High fuel resistance              |
|                | EN 60811-404 Alkali resistance                 |
|                | EN 60811-404 Acid resistance                   |
|                | DIN 51900 Low fire load                        |
|                | EN 50618 UV resistant                          |
| PROFINET       | Yes                                            |

## Commercial data

|                                |                                         |
|--------------------------------|-----------------------------------------|
| Packaging size                 | 1                                       |
| Net weight                     | 1 g                                     |
| Country of origin              | Romania                                 |
| European customs tariff number | 85444290                                |
| GTIN                           | 5713140391857                           |
| eCl@ss                         | 27060308 Patch cord copper (data cable) |



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Commercial data

|             |          |
|-------------|----------|
| UNSPSC 24.0 | 26121609 |
|-------------|----------|