

# WML 6 (13X13)R - Wire-wrap label



0816252

<https://www.phoenixcontact.com/ca/products/0816252>

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Wire-wrap label, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, cable diameter range: 4 ... 6.1 mm, cable diameter:  $\leq 6.1$  mm, lettering field size: 13 x 13 mm, Number of individual labels: 7000

## Your advantages

- For indoor and outdoor applications: high resistance to dirt and abrasion due to the protective laminate
- Firmly defined positioning of labels thanks to the adhesive system
- Broad diameter range with many different applications inside and outside the control cabinet
- The wrap-around labels do not create any additional volume, so the cable can also be pulled through cable ducts, for example
- Quick and easy handling
- For cylindrical objects, single wires, and cables

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 0816252             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | BG13                |
| Product key                          | BG2311              |
| Catalog page                         | Page 217 (C-3-2019) |
| GTIN                                 | 4046356125659       |
| Weight per piece (including packing) | 786.1 g             |
| Weight per piece (excluding packing) | 786 g               |
| Customs tariff number                | 39269097            |
| Country of origin                    | DE                  |

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## Technical data

### Product properties

|              |                   |
|--------------|-------------------|
| Product type | Conductor marking |
| Type         | Label             |

### Marking

|                                     |                            |
|-------------------------------------|----------------------------|
| Number of individual labels         | 7000                       |
| Number of individual labels per row | 7                          |
| Identification technology           | Thermal transfer for rolls |

### Dimensions

|        |          |
|--------|----------|
| Width  | 12.7 mm  |
| Length | 31.75 mm |

### External dimensions

|                  |               |
|------------------|---------------|
| Outside diameter | 3 mm ... 6 mm |
|------------------|---------------|

### Material specifications

|                   |               |
|-------------------|---------------|
| Foil strength     | 80 µm         |
| Adhesive strength | 21 µm         |
| Adhesive          | Acrylic       |
| Color             | white         |
| Material          | PVC           |
| Components        | Silicone-free |

### Cable/line

|                         |                 |
|-------------------------|-----------------|
| External cable diameter | ≤ 6.10 mm       |
|                         | 4 mm ... 6.1 mm |

### Environmental and real-life conditions

#### Test for substances that would hinder coating with paint or varnish

|        |             |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

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|        |             |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

#### Scratch test for the determining scratch resistance

|               |                                       |
|---------------|---------------------------------------|
| Specification | DIN EN ISO 1518-1:2019-10 (following) |
| Requirements  | ≥ 5 N                                 |
| Result        | Test passed                           |

#### Tesafilm test

|               |                                  |
|---------------|----------------------------------|
| Specification | DIN EN ISO 2409:2013 (following) |
| Result        | Test passed                      |

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## UV resistance

|               |                                |
|---------------|--------------------------------|
| Specification | ISO 4892-2:2013-03 (following) |
| Result        | Test passed                    |
| Test duration | 96 h                           |

## Temperature resistance

|                        |                                 |
|------------------------|---------------------------------|
| Specification          | ANSI/UL 969-2018:03 (following) |
| Test duration          | 240 h                           |
| Rating 100 °C (121 °C) | Test passed                     |

## Wipe resistance of inscriptions

|                                                   |                                                |
|---------------------------------------------------|------------------------------------------------|
| Specification                                     | DIN EN 61010-1 (VDE 0411-01):2020-03           |
|                                                   | DIN EN 62208 (VDE 0660-511):2012-06 (in parts) |
| Isopropyl<br>[CAS No. 67-63-0]                    | Test passed                                    |
| n-Hexane<br>[CAS No. 110-54-3]                    | Test passed                                    |
| Water + Petroleum ether<br>[CAS No. 64742-82-1]   | Test passed                                    |
| Sodium hydroxide 0.1 mol/l<br>[CAS No. 1310-73-2] | Test passed                                    |
| Ethanol (99 %)<br>[CAS No. 64-17-5]               | Test passed                                    |
| Acetone (99 %)<br>[CAS No. 67-64-1]               | Test passed                                    |
| Specification                                     | ISO 175:2010 (following)                       |
| Test duration                                     | 168 h                                          |
| Sodium hydroxide 0.1 mol/l<br>[CAS No. 1310-73-2] | Test passed                                    |
| Ethanol (99 %)<br>[CAS No. 64-17-5]               | Test passed                                    |
| IRM 901                                           | Test passed                                    |
| IRM 902                                           | Test passed                                    |

## Testing in a condensation changing climate in the presence of sulfur dioxide

|               |                   |
|---------------|-------------------|
| Specification | DIN 50018:2013-05 |
| Result        | Test passed       |
| Climate level | AHT 1.0 S         |
| Cycles        | 2                 |

## Salt spray test

|               |                           |
|---------------|---------------------------|
| Specification | DIN EN 60068-2-11:2000-02 |
| Result        | Test passed               |
| Test duration | 96 h                      |

## Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 80 °C |
| Ambient temperature (assembly)  | > 0 °C           |

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|                                                     |                                                                                 |
|-----------------------------------------------------|---------------------------------------------------------------------------------|
| Recommended ambient temperature (storage/transport) | 23 °C                                                                           |
| Recommended humidity (storage/transport)            | 50 % (Storage in a dry and dark place in the original packaging is recommended) |
| Shelf life                                          | 2 years                                                                         |

## Standards and regulations

|                 |                             |
|-----------------|-----------------------------|
| Wipe resistance | DIN EN 61010-1 (VDE 0411-1) |
|-----------------|-----------------------------|

## Mounting

|               |          |
|---------------|----------|
| Mounting type | adhesive |
|---------------|----------|

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/ca/products/0816252>



**UL Recognized**

Approval ID: MH48542

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27281102 |
| ECLASS-12.0 | 27281102 |
| ECLASS-13.0 | 27281102 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001530 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39131500 |
|-------------|----------|

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## Environmental product compliance

|                                         |                            |
|-----------------------------------------|----------------------------|
| EU RoHS                                 |                            |
| Fulfills EU RoHS substance requirements | Yes, No exemptions         |
| EU REACH SVHC                           |                            |
| REACH candidate substance (CAS No.)     | No substance above 0.1 wt% |

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