

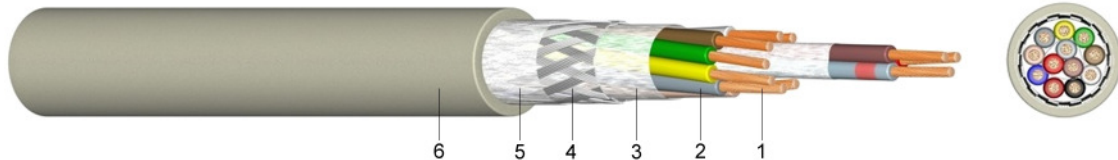
## Datasheet S 368 C

Version 1/2009

## PUR Cable Chain Data Cable with Copper Braiding

### Application:

This highly flexible cable chain data cable S 368 C is best suited for different industrial areas such as machine construction, the automobile and communications industry as well as for steering, controlling and measuring machinery. It is particularly suited for machinery put to prolonged, flexible use, such as industrial scales. The copper braiding should be fully connected to optimise protection against high-frequency external interference (EMC).



### Construction:

- 1 ..... very fine-stranded bare copper
- 2 ..... core insulation of thermoplastic polyester elastomer (TPE-E) or polypropylene (PP)
- 3 ..... wrapping of fine cotton binding
- 4 ..... screen of tinned copper braiding
- 5 ..... wrapping of fine cotton binding
- 6 ..... outer sheath of polyurethane (PUR), grey, poor in adhesion, oil an abrasion resistant

### According to:

adapted to DIN VDE 0281 and 0812  
DIN EN 60228 class 6 (construction)  
adapted to DIN 47100 or factory style (core identification)

### Technical data:

|                        |           |                          |                    |
|------------------------|-----------|--------------------------|--------------------|
| <u>Ceiling</u> voltage | [V]       | till 0,34mm <sup>2</sup> | 250 Volt           |
|                        | [V]       | from 0,50mm <sup>2</sup> | 350 Volt           |
| Test voltage           |           | [V] <sub>AC</sub>        | 1500               |
| Temperature range      | in motion |                          | -30 °C till +80 °C |
| Bending radius         | min.      | x diameter               | 7,5                |
| Oil-resistant          | standard  |                          | EN 60811-2-1       |
| Flammability           | standard  |                          | EN 60332-1-2       |

| Number of cores<br>and nominal<br>cross section<br>mm <sup>2</sup> | Copper<br>figure | Wire<br>diameter | Overall<br>diameter<br>appr. | Weight<br>appr. |
|--|------------------|------------------|------------------------------|-----------------|
|  | kg/km            | mm               | mm                           | kg / km         |
| 2 x 0,14   | 12               | 0,10             | 3,9                          | 30              |
| 4 x 0,14   | 16               | 0,10             | 4,3                          | 38              |
| 7 x 0,14   | 27               | 0,10             | 5,1                          | 58              |
| 12 x 0,14  | 44               | 0,10             | 5,9                          | 92              |
| 2 x 0,25   | 17               | 0,10             | 4,2                          | 35              |
| 3 x 0,25   | 20               | 0,10             | 4,4                          | 40              |
| 4 x 0,25   | 22               | 0,10             | 4,6                          | 46              |
| 5 x 0,25   | 32               | 0,10             | 4,9                          | 61              |
| 7 x 0,25   | 39               | 0,10             | 5,6                          | 77              |

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|--|------------------|------------------|------------------------------------|----------------------------|
|  | kg/km            | mm               |                                    |                            |
| 12 x 0,25  | 56               | 0,10             | 6,6                                | 118                        |
| 18 x 0,25  | 79               | 0,10             | 7,5                                | 157                        |
| 4 x 0,34   | 36               | 0,10             | 4,9                                | 78                         |
| 5 x 0,34   | 40               | 0,10             | 5,2                                | 84                         |
| 7 x 0,34   | 53               | 0,10             | 5,9                                | 108                        |
| 12 x 0,34  | 78               | 0,10             | 7,0                                | 162                        |
| 18 x 0,34  | 101              | 0,10             | 8,0                                | 222                        |
| 24 x 0,34  | 154              | 0,10             | 9,4                                | 318                        |
| 25 x 0,34  | 161              | 0,10             | 9,5                                | 321                        |
| 2 x 0,5  | 35               | 0,16             | 5,0                                | 65                         |
| 5 x 0,5  | 63               | 0,16             | 6,0                                | 112                        |
| 12 x 0,5   | 103              | 0,16             | 8,2                                | 187                        |
| 30 x 0,5   | 243              | 0,16             | 15,8                               | 413                        |
| 7 x 0,75   | 93               | 0,16             | 7,9                                | 171                        |