



USE OF CABLE

power, control and connecting cable in electrical facilities for fixed laying and flexible applications without tensile stress and without defined cable routing. Suitable for use in dry, humid and wet rooms. Outdoor use only with UV-protection, no laying in underground. Applicable also for YSLY or YY.



SPECIAL FEATURES

- largely resistant to acids, bases and specified types of oil
- 4 kV testing voltage

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- LABS-/silicone-free (during production)
- special versions, other dimensions, core and jacket colours according to your specifications on request.

PRODUCT INFORMATION

|                              |                                                                                                                        |
|------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Conductor material:          | Bare copper strand                                                                                                     |
| Conductor class:             | Acc. to IEC 60228 cl. 5                                                                                                |
| Core insulation:             | PVC                                                                                                                    |
| Core identification:         | Coloured: up to 5 cores acc. to DIN VDE 0293-308; from 6 cores TKD colour code (see technical guideline); G: with GNYE |
| Stranding:                   | Stranded in layers                                                                                                     |
| Outer sheath:                | PVC                                                                                                                    |
| Sheath colour:               | Grey, RAL 7001                                                                                                         |
| Rated voltage:               | Uo/U: up to 16mm² 300/500V or 450/750V (s. right page); from 25mm² 0,6/1kV                                             |
| Testing voltage:             | 4 kV                                                                                                                   |
| Conductor resistance:        | Acc. to IEC 60228 cl. 5                                                                                                |
| Insulation resistance:       | Min. 20 MΩ x km                                                                                                        |
| Current-carrying-capacity:   | Acc. to DIN VDE, see technical Guidelines                                                                              |
| Min. bending radius fixed:   | 4 x d                                                                                                                  |
| Min. bending radius moved:   | 15 x d                                                                                                                 |
| Operat. temp. fixed min/max: | -40 °C / +80 °C                                                                                                        |
| Operat. temp. moved min/max: | -15 °C / +70 °C                                                                                                        |
| Temp. at conductor:          | + 70 °C in operation; +150 °C in case of short-circuit                                                                 |
| Burning behavior:            | Self-extinguishing & flame-retardant acc.to IEC 60332-1                                                                |
| Standard:                    | Similar to EN 50525-2-51   450/750 V & 0.6/1 kV variants with adjusted insulation wall thicknesses                     |

ITEM OVERVIEW

| Product No. | Dimension [n x mm²] | Outer-Ø [mm] | Cu-Index [kg/km] | Weight [kg/1.000] | sheath colour | Variant                  |
|-------------|---------------------|--------------|------------------|-------------------|---------------|--------------------------|
| 1000923     | 2 X 0,5             | 4,8          | 10,00            | 33,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000333     | 3 G 0,5             | 5,2          | 15,00            | 41,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000937     | 3 X 0,5             | 5,2          | 15,00            | 41,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000354     | 4 G 0,5             | 5,7          | 19,00            | 50,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000950     | 4 X 0,5             | 5,7          | 19,00            | 50,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000371     | 5 G 0,5             | 6,3          | 24,00            | 63,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1004380     | 5 X 0,5             | 6,3          | 24,00            | 63,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1002936     | 6 G 0,5             | 6,7          | 28,80            | 70,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000384     | 7 G 0,5             | 6,8          | 34,00            | 78,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1004218     | 8 G 0,5             | 7,4          | 38,00            | 97,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1003359     | 12 G 0,5            | 9,1          | 58,00            | 130,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1003732     | 14 G 0,5            | 9,5          | 67,00            | 151,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000926     | 2 X 0,75            | 5,2          | 15,00            | 43,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |

| Product No. | Dimension [n x mm²] | Outer-Ø [mm] | Cu-Index [kg/km] | Weight [kg/1.000] | sheath colour | Variant                  |
|-------------|---------------------|--------------|------------------|-------------------|---------------|--------------------------|
| 1000334     | 3 G 0,75            | 5,6          | 22,00            | 52,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000938     | 3 X 0,75            | 5,6          | 22,00            | 52,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000355     | 4 G 0,75            | 6,3          | 29,00            | 66,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1004381     | 4 X 0,75            | 6,3          | 29,00            | 64,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000372     | 5 G 0,75            | 6,8          | 36,00            | 76,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000385     | 7 G 0,75            | 7,4          | 50,00            | 98,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1005192     | 10 G 0,75           | 9,1          | 72,00            | 148,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1003360     | 12 G 0,75           | 10,0         | 86,00            | 163,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000930     | 2 X 1               | 5,7          | 19,00            | 50,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000944     | 3 X 1               | 6,1          | 29,00            | 62,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000340     | 3 G 1               | 6,1          | 29,00            | 62,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000356     | 4 G 1               | 6,6          | 38,00            | 75,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000958     | 4 X 1               | 6,6          | 38,00            | 75,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000374     | 5 G 1               | 7,2          | 48,00            | 92,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000387     | 7 G 1               | 8,1          | 67,00            | 120,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1004001     | 6 G 1               | 8,1          | 58,00            | 114,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1003782     | 10 G 1              | 10,4         | 96,00            | 187,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1001920     | 12 G 1              | 10,6         | 115,00           | 200,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1004101     | 16 G 1              | 12,3         | 154,00           | 300,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000931     | 2 X 1,5             | 6,3          | 29,00            | 65,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000341     | 3 G 1,5             | 6,7          | 43,00            | 81,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000946     | 3 X 1,5             | 6,7          | 43,00            | 81,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000357     | 4 G 1,5             | 7,3          | 58,00            | 101,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000959     | 4 X 1,5             | 7,3          | 58,00            | 101,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000376     | 5 G 1,5             | 8,2          | 72,00            | 125,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000388     | 7 G 1,5             | 9,0          | 101,00           | 160,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1003996     | 8 G 1,5             | 10,6         | 115,00           | 205,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1001723     | 12 G 1,5            | 11,9         | 173,00           | 267,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1003899     | 25 G 1,5            | 16,9         | 360,00           | 539,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000934     | 2 X 2,5             | 7,6          | 48,00            | 99,00             | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000347     | 3 G 2,5             | 8,2          | 72,00            | 126,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000362     | 4 G 2,5             | 9,0          | 96,00            | 156,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000380     | 5 G 2,5             | 10,1         | 120,00           | 195,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1001737     | 7 G 2,5             | 11,2         | 168,00           | 250,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000061     | 12 G 2,5            | 15,0         | 288,00           | 423,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000935     | 2 X 4               | 9,4          | 77,00            | 152,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000351     | 3 G 4               | 10,0         | 115,00           | 193,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000365     | 4 G 4               | 11,0         | 154,00           | 241,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000382     | 5 G 4               | 12,3         | 192,00           | 300,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1003362     | 12 G 4              | 18,3         | 461,00           | 661,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1003361     | 7 G 4               | 13,6         | 269,00           | 389,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000353     | 3 G 6               | 11,7         | 173,00           | 275,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000367     | 4 G 6               | 12,6         | 230,00           | 337,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |

| Product No. | Dimension [n x mm²] | Outer-Ø [mm] | Cu-Index [kg/km] | Weight [kg/1.000] | sheath colour | Variant                  |
|-------------|---------------------|--------------|------------------|-------------------|---------------|--------------------------|
| 1000383     | 5 G 6               | 14,1         | 288,00           | 419,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1003363     | 7 G 6               | 15,5         | 403,00           | 544,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1003364     | 3 G 10              | 14,7         | 288,00           | 449,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000359     | 4 G 10              | 16,3         | 384,00           | 572,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000377     | 5 G 10              | 18,2         | 480,00           | 712,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000389     | 7 G 10              | 20,1         | 672,00           | 925,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1001685     | 3 G 16              | 18,5         | 461,00           | 680,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000361     | 4 G 16              | 20,7         | 614,00           | 860,00            | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1000378     | 5 G 16              | 23,0         | 768,00           | 1071,00           | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1003365     | 7 G 16              | 25,2         | 1075,00          | 1393,00           | grey          | V1: ÖPVC-JB/OB 300/500 V |
| 1005393     | 2 X 1               | 6,5          | 19,20            | 63,00             | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005394     | 3 G 1               | 6,9          | 28,80            | 77,00             | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005395     | 4 G 1               | 7,7          | 38,40            | 97,00             | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005396     | 5 G 1               | 8,5          | 48,00            | 119,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005397     | 2 X 1,5             | 7,7          | 28,80            | 90,00             | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005398     | 3 G 1,5             | 8,0          | 43,20            | 110,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005399     | 4 G 1,5             | 9,1          | 57,60            | 139,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005400     | 5 G 1,5             | 10,0         | 72,00            | 169,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005401     | 2 X 2,5             | 9,1          | 48,00            | 133,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005402     | 3 G 2,5             | 9,6          | 72,00            | 161,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005403     | 3 X 2,5             | 9,6          | 72,00            | 161,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005404     | 4 G 2,5             | 10,7         | 96,00            | 205,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005405     | 5 G 2,5             | 12,0         | 120,00           | 257,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005406     | 7 G 2,5             | 13,1         | 168,00           | 321,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005407     | 2 X 4               | 10,5         | 77,00            | 186,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005408     | 3 G 4               | 11,2         | 115,00           | 231,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005409     | 4 G 4               | 12,5         | 154,00           | 296,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005410     | 5 G 4               | 13,9         | 192,00           | 367,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005411     | 7 G 4               | 15,2         | 269,00           | 471,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005412     | 2 X 6               | 11,8         | 115,00           | 248,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005413     | 3 G 6               | 12,6         | 173,00           | 312,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005414     | 4 G 6               | 14,0         | 230,00           | 398,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005415     | 5 G 6               | 15,6         | 288,00           | 496,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1004653     | 7 G 6               | 17,3         | 403,00           | 651,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005416     | 3 G 10              | 15,9         | 288,00           | 506,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005417     | 4 G 10              | 17,9         | 384,00           | 656,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005418     | 5 G 10              | 20,0         | 480,00           | 819,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005419     | 7 G 10              | 21,6         | 672,00           | 1058,00           | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005420     | 3 G 16              | 18,5         | 461,00           | 739,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005422     | 4 G 16              | 20,7         | 614,00           | 952,00            | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1005423     | 5 G 16              | 23,0         | 768,00           | 1183,00           | grey          | V2: ÖPVC-JB/OB 450/750 V |
| 1003366     | 3 G 25              | 23,7         | 720,00           | 1370,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV  |
| 1000363     | 4 G 25              | 26,0         | 960,00           | 1471,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV  |

| Product No. | Dimension [n x mm²] | Outer-Ø [mm] | Cu-Index [kg/km] | Weight [kg/1.000] | sheath colour | Variant                 |
|-------------|---------------------|--------------|------------------|-------------------|---------------|-------------------------|
| 1001848     | 5 G 25              | 29,0         | 1200,00          | 1807,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1003367     | 7 G 25              | 32,0         | 1680,00          | 2830,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1003368     | 3 G 35              | 26,0         | 1008,00          | 1740,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1000364     | 4 G 35              | 29,1         | 1344,00          | 1979,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1000381     | 5 G 35              | 32,5         | 1680,00          | 2485,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1000352     | 3 G 50              | 30,9         | 1440,00          | 2510,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1000366     | 4 G 50              | 35,5         | 1920,00          | 2818,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1001817     | 5 G 50              | 39,0         | 2400,00          | 3800,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1003370     | 3 G 70              | 36,0         | 2016,00          | 3190,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1000369     | 4 G 70              | 40,2         | 2688,00          | 3952,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1001803     | 5 G 70              | 45,0         | 3360,00          | 4900,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1003372     | 3 G 95              | 41,1         | 2736,00          | 4510,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1000370     | 4 G 95              | 44,8         | 3648,00          | 5149,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1001801     | 5 G 95              | 51,0         | 4560,00          | 6600,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1003374     | 3 G 120             | 45,5         | 3456,00          | 5600,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1000360     | 4 G 120             | 51,0         | 4608,00          | 7200,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1001802     | 5 G 120             | 62,0         | 5760,00          | 8688,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1003375     | 4 G 150             | 60,1         | 5760,00          | 7800,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1003231     | 4 G 185             | 62,0         | 7104,00          | 8300,00           | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |
| 1003377     | 4 G 240             | 72,0         | 9216,00          | 10550,00          | grey          | V3: ÖPVC-JB/OB 0,6/1 kV |