



TECHNICAL DATA

PVC single core in alignment with DIN VDE 0250, DIN VDE 0285-525-1 / DIN EN 50525-1

| | |
|-------------------------------|---|
| Temperature range | flexible -15°C to +80°C |
| Nominal voltage | 0.5 - 1 mm ² : AC U ₀ /U 300/500 V 1.5 - 70 mm ² : AC U ₀ /U 450/750 V |
| Peak operating voltage | 0.1 - 0.25 mm ² : 300 V (not for high power current installation purposes) |
| Test voltage | 0.1 - 0.25 mm ² : 2000 V 0.5 - 1 mm ² : 2500 V 1.5 - 70 mm ² : 3000 V |
| Minimum bending radius | flexible 8x Outer-Ø fixed 4x Outer-Ø |

• Core identification: see table

PROPERTIES

• the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

• flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2

APPLICATION

Highly flexible single core for connections in switch cabinet construction, measurement set-ups in laboratories, engineering and technical trainings as well as other applications that require increased bending properties.

CABLE STRUCTURE

- Copper wire bare, extra finely stranded
- Core insulation: PVC

NOTES

• the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

| Cross-sec. mm ² | AWG, approx. | Wire structure | Outer Ø mm, approx. | Cu-weight kg/km | Weight kg/km, approx. | black | green-yellow | blue | brown | red | white | grey |
|----------------------------|--------------|----------------|---------------------|-----------------|-----------------------|----------|--------------|----------|----------|----------|----------|----------|
| | | | | | | Part no. | Part no. | Part no. | Part no. | Part no. | Part no. | Part no. |
| 0.1 | - | 51 x 0.05 | 1.0 | 1.2 | 2.1 | 15101 | 15113 | 15103 | 15104 | 15102 | 15105 | 15106 |
| 0.14 | 26 | 72 x 0.05 | 1.0 | 1.4 | 2.6 | 15201 | 15213 | 15203 | 15204 | 15202 | 15205 | 15206 |
| 0.25 | 24 | 65 x 0.07 | 1.3 | 2.5 | 4.2 | 15301 | 15313 | 15303 | 15304 | 15302 | 15305 | 15306 |
| 0.5 | 20 | 132 x 0.07 | 2.0 | 5.5 | 8.0 | 15401 | 15413 | 15403 | 15404 | 15402 | 15405 | 15406 |
| 0.75 | 18 | 195 x 0.07 | 2.2 | 8.0 | 12.0 | 15501 | 15513 | 15503 | 15504 | 15502 | 15505 | 15506 |
| 1 | 17 | 260 x 0.07 | 2.5 | 10.8 | 18.0 | 15601 | 15613 | 15603 | 15604 | 15602 | 15605 | 15606 |
| 1.5 | 16 | 192 x 0.1 | 3.5 | 15.0 | 22.0 | 15701 | 15713 | 15703 | 15704 | 15702 | 15705 | 15706 |
| 2.5 | 14 | 320 x 0.1 | 3.8 | 25.0 | 37.0 | 15801 | 15813 | 15803 | 15804 | 15802 | 15805 | 15806 |
| 4 | 12 | 512 x 0.1 | 4.9 | 40.0 | 50.0 | 15901 | 15913 | 15903 | 15904 | 15902 | 15905 | 15906 |
| 6 | 10 | 768 x 0.1 | 6.0 | 60.0 | 71.0 | 15093 | 15135 | 15115 | 15116 | 15114 | - | - |
| 10 | 8 | 1280 x 0.1 | 7.3 | 100.0 | 130.0 | 15094 | 15136 | 15118 | 15119 | 15117 | - | - |
| 16 | 6 | 2048 x 0.1 | 8.8 | 160.0 | 187.0 | 15095 | 15137 | 15121 | 15122 | 15120 | - | - |
| 25 | 4 | 3234 x 0.1 | 9.9 | 240.0 | 294.0 | 15096 | 15138 | 15124 | 15125 | 15123 | - | - |
| 35 | 2 | 4508 x 0.1 | 11.7 | 336.0 | 380.0 | 15097 | 15139 | 15127 | 15128 | 15126 | - | - |
| 50 | 1 | 6468 x 0.1 | 14.7 | 480.0 | 521.0 | 15098 | 15140 | 15130 | 15131 | 15129 | - | - |
| 70 | 2/0 | 8967 x 0.1 | 15.5 | 672.0 | 740.0 | 15099 | 15141 | 15133 | 15134 | 15132 | - | - |

| Cross-sec. mm ² | AWG, approx. | Wire structure | Outer Ø mm, approx. | Cu-weight kg/km | Weight kg/km, approx. | violet | yellow | orange | green | dark blue | pink | beige |
|----------------------------|--------------|----------------|---------------------|-----------------|-----------------------|----------|----------|----------|----------|-----------|----------|----------|
| | | | | | | Part no. | Part no. | Part no. | Part no. | Part no. | Part no. | Part no. |
| 0.1 | - | 51 x 0.05 | 1.0 | 1.2 | 2.1 | 15107 | 15108 | 15109 | 15100 | 151015 | 15111 | 15112 |
| 0.14 | 26 | 72 x 0.05 | 1.0 | 1.4 | 2.6 | 15207 | 15208 | 15209 | 15200 | 152015 | 15211 | 15212 |
| 0.25 | 24 | 65 x 0.07 | 1.3 | 2.5 | 4.2 | 15307 | 15308 | 15309 | 15300 | 153015 | 15311 | 15312 |
| 0.5 | 20 | 132 x 0.07 | 2.0 | 5.5 | 8.0 | 15407 | 15408 | 15409 | 15400 | 154015 | 15411 | 15412 |
| 0.75 | 18 | 195 x 0.07 | 2.2 | 8.0 | 12.0 | 15507 | 15508 | 15509 | 15500 | 155015 | 15511 | 15512 |

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PVC single core, extra finely stranded, highly flexible

| Cross-sec. mm ² | AWG, approx. | Wire structure | Outer Ø mm, approx. | Cu-weight kg/km | Weight kg/km, approx. | violet | yellow | orange | green | dark blue | pink | beige |
|-------------------------------|-----------------|-------------------|---------------------------|--------------------|-----------------------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|
| | | | | | | Part no. | Part no. | Part no. | Part no. | Part no. | Part no. | Part no. |
| 1 | 17 | 260 x 0.07 | 2.5 | 10.8 | 18.0 | 15607 | 15608 | 15609 | 15600 | 156015 | 15611 | 15612 |
| 1.5 | 16 | 192 x 0.1 | 3.5 | 15.0 | 22.0 | 15707 | 15708 | 15709 | 15700 | 157015 | 15711 | 15712 |
| 2.5 | 14 | 320 x 0.1 | 3.8 | 25.0 | 37.0 | 15807 | 15808 | 15809 | 15800 | 158015 | 15811 | 15812 |
| 4 | 12 | 512 x 0.1 | 4.9 | 40.0 | 50.0 | 15907 | 15908 | 15909 | 15900 | 159015 | 15911 | 15912 |

| Cross-sec. mm ² | AWG, approx. | Wire structure | Outer Ø mm, approx. | Cu-weight kg/km | Weight kg/km, approx. | transparent |
|-------------------------------|-----------------|-------------------|---------------------------|--------------------|-----------------------------|--------------|
| | | | | | | Part no. |
| 0.1 | - | 51 x 0.05 | 1.0 | 1.2 | 2.1 | 15110 |
| 0.14 | 26 | 72 x 0.05 | 1.0 | 1.4 | 2.6 | 15210 |
| 0.25 | 24 | 65 x 0.07 | 1.3 | 2.5 | 4.2 | 15310 |
| 0.5 | 20 | 132 x 0.07 | 2.0 | 5.5 | 8.0 | 15410 |
| 0.75 | 18 | 195 x 0.07 | 2.2 | 8.0 | 12.0 | 15510 |
| 1 | 17 | 260 x 0.07 | 2.5 | 10.8 | 18.0 | 15610 |
| 1.5 | 16 | 192 x 0.1 | 3.5 | 15.0 | 22.0 | 15710 |
| 2.5 | 14 | 320 x 0.1 | 3.8 | 25.0 | 37.0 | 15810 |
| 4 | 12 | 512 x 0.1 | 4.9 | 40.0 | 50.0 | 15910 |