

Ribbon Cables Type L, Type L AWG 28, Type D



Technical data

Type L (stranded wire)

- Pitch 2,54 mm
- **Nominal voltage**
0,14 mm² = 350 V
0,25 to 0,75 mm² = 600 V
- **Test voltage**
0,14 mm² = 1200 V
0,25 to 0,75 mm² = 2000 V

Type L AWG 28 (stranded wire)

- Pitch 1,27 mm
- **Heat-resistance** up to 105 °C
- **Nominal voltage** 300 V
- **Test voltage** 2000 V

Type D (solid)

- Pitch 2,5 mm
- **Nominal voltage** 500 V
- **Test voltage** 1500 V

Cable structure

Type L (stranded wire)

- Tinned copper, fine wire stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5
- PVC core insulation, flame retardant
- Cores colour coded

Type L AWG 28 (stranded wire)

- Tinned copper 7x0,127
- PVC core insulation, flame retardant
- Cores moulded, can be separated easily
- Cores single coloured, edge marking on one side

Type D (solid)

- Cu-solid, tinned 0,5 mm ø
- PVC core insulation
- Cores moulded, can be separated easily
- Cores colour coded

Properties

Type L AWG 28 (stranded wire)

- PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

Application

Ribbon cables are used as connecting and control cables wherever there is a need to install quickly and with a minimum waste of space. These cables offer an excellent degree of flexibility.

CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Type L (colour coded)

| Part no. | No. cores x cross-sec. mm ² | Outer Ø approx. mm | Cop. weight kg / km | Weight approx. kg / km | AWG-No. |
|----------|--|--------------------|---------------------|------------------------|---------|
| 44001 | 2 x 0,14 | 3,9 x 1,4 | 2,7 | 7,0 | 26 |
| 44002 | 3 x 0,14 | 6,4 x 1,4 | 4,0 | 11,0 | 26 |
| 44003 | 4 x 0,14 | 8,9 x 1,4 | 5,4 | 14,0 | 26 |
| 44004 | 5 x 0,14 | 11,3 x 1,4 | 6,7 | 18,0 | 26 |
| 44005 | 6 x 0,14 | 13,9 x 1,4 | 8,1 | 21,0 | 26 |
| 44006 | 7 x 0,14 | 16,4 x 1,4 | 9,4 | 25,0 | 26 |
| 44007 | 8 x 0,14 | 18,9 x 1,4 | 10,7 | 28,0 | 26 |
| 44008 | 9 x 0,14 | 21,4 x 1,4 | 13,4 | 32,0 | 26 |
| 44009 | 10 x 0,14 | 23,9 x 1,4 | 14,4 | 35,0 | 26 |
| 44010 | 11 x 0,14 | 26,4 x 1,4 | 15,3 | 39,0 | 26 |
| 44011 | 12 x 0,14 | 28,9 x 1,4 | 16,1 | 42,0 | 26 |
| 44012 | 16 x 0,14 | 38,9 x 1,4 | 21,5 | 56,0 | 26 |
| 44013 | 20 x 0,14 | 48,9 x 1,4 | 27,0 | 70,0 | 26 |
| 44014 | 4 x 0,25 | 9,1 x 1,6 | 9,6 | 21,0 | 24 |
| 44015 | 5 x 0,25 | 11,6 x 1,6 | 12,0 | 26,0 | 24 |
| 44016 | 6 x 0,25 | 14,1 x 1,6 | 14,4 | 31,0 | 24 |
| 44017 | 7 x 0,25 | 16,6 x 1,6 | 16,8 | 36,0 | 24 |
| 44018 | 8 x 0,25 | 19,1 x 1,6 | 19,2 | 42,0 | 24 |
| 44019 | 10 x 0,25 | 24,1 x 1,6 | 24,0 | 52,0 | 24 |
| 44020 | 12 x 0,25 | 29,1 x 1,6 | 28,8 | 62,0 | 24 |
| 44021 | 16 x 0,25 | 39,1 x 1,6 | 38,4 | 83,0 | 24 |
| 44022 | 20 x 0,25 | 49,1 x 1,6 | 48,0 | 104,0 | 24 |
| 44023 | 4 x 0,5 | 9,0 x 2,0 | 19,2 | 38,0 | 20 |
| 44024 | 5 x 0,5 | 12,0 x 2,0 | 24,0 | 48,0 | 20 |
| 44025 | 6 x 0,5 | 15,0 x 2,0 | 28,8 | 57,0 | 20 |
| 44026 | 7 x 0,5 | 17,0 x 2,0 | 33,6 | 66,0 | 20 |
| 44027 | 8 x 0,5 | 20,0 x 2,0 | 38,4 | 76,0 | 20 |
| 44028 | 10 x 0,5 | 23,0 x 2,0 | 48,0 | 95,0 | 20 |
| 44029 | 12 x 0,5 | 30,0 x 2,0 | 58,0 | 114,0 | 20 |
| 44030 | 16 x 0,5 | 40,0 x 2,0 | 77,0 | 151,0 | 20 |
| 44031 | 20 x 0,5 | 50,0 x 2,0 | 101,0 | 190,0 | 20 |
| 44032 | 4 x 0,75 | 10,6 x 2,5 | 29,0 | 52,0 | 18 |
| 44033 | 5 x 0,75 | 13,3 x 2,5 | 36,0 | 64,0 | 18 |
| 44034 | 6 x 0,75 | 16,0 x 2,5 | 43,2 | 77,0 | 18 |
| 44035 | 7 x 0,75 | 18,7 x 2,5 | 50,0 | 90,0 | 18 |
| 44036 | 8 x 0,75 | 21,4 x 2,5 | 58,0 | 103,0 | 18 |
| 44037 | 10 x 0,75 | 26,8 x 2,5 | 72,0 | 130,0 | 18 |
| 44038 | 12 x 0,75 | 32,2 x 2,5 | 86,0 | 155,0 | 18 |
| 44039 | 16 x 0,75 | 43,0 x 2,5 | 112,0 | 206,0 | 18 |
| 44040 | 20 x 0,75 | 53,4 x 2,5 | 151,0 | 260,0 | 18 |

Type L AWG 28 (single coloured, edge marking on one side)

| Part no. | No. cores x cross-sec. mm ² | Outer Ø approx. mm | Cop. weight kg / km | Weight approx. kg / km | AWG-No. |
|----------|--|--------------------|---------------------|------------------------|---------|
| 44041 | 10 x 0,08 | 12,7 x 0,9 | 13,4 | 30,0 | 28 |
| 44042 | 14 x 0,08 | 17,8 x 0,9 | 18,0 | 50,0 | 28 |
| 44043 | 16 x 0,08 | 20,3 x 0,9 | 20,0 | 53,0 | 28 |
| 44044 | 20 x 0,08 | 25,4 x 0,9 | 25,0 | 65,0 | 28 |
| 44045 | 26 x 0,08 | 33,0 x 0,9 | 32,0 | 75,0 | 28 |
| 44046 | 34 x 0,08 | 43,2 x 0,9 | 43,0 | 90,0 | 28 |
| 44047 | 40 x 0,08 | 50,8 x 0,9 | 48,0 | 125,0 | 28 |
| 44048 | 48 x 0,08 | 61,0 x 0,9 | 59,0 | 145,0 | 28 |

Type D (colour coded)

| Part no. | No. cores x cross-sec. mm ² | Outer Ø approx. mm | Cop. weight kg / km | Weight approx. kg / km | AWG-No. |
|----------|--|--------------------|---------------------|------------------------|---------|
| 44049 | 2 x 0,5 | 3,9 x 1,4 | 10,0 | 10,0 | 20 |
| 44050 | 3 x 0,5 | 6,4 x 1,4 | 14,0 | 14,0 | 20 |
| 44051 | 4 x 0,5 | 8,9 x 1,4 | 19,0 | 17,0 | 20 |
| 44052 | 5 x 0,5 | 11,4 x 1,4 | 24,0 | 21,0 | 20 |
| 44053 | 6 x 0,5 | 13,9 x 1,4 | 29,0 | 25,0 | 20 |
| 44054 | 7 x 0,5 | 16,4 x 1,4 | 34,0 | 29,0 | 20 |
| 44055 | 8 x 0,5 | 18,9 x 1,4 | 38,0 | 33,0 | 20 |
| 44056 | 9 x 0,5 | 21,4 x 1,4 | 42,0 | 37,0 | 20 |
| 44057 | 10 x 0,5 | 23,9 x 1,4 | 48,0 | 41,0 | 20 |
| 44058 | 11 x 0,5 | 26,4 x 1,4 | 56,0 | 47,0 | 20 |

Standard colour-code (not to DIN 47100)

| | | | | | |
|----|-------------|----|--------------|----|-------------|
| 1 | white | 12 | white-green | 23 | brown-blue |
| 2 | brown | 13 | white-yellow | 24 | brown-red |
| 3 | green | 14 | white-grey | 25 | brown-black |
| 4 | yellow | 15 | white-pink | 26 | green-grey |
| 5 | grey | 16 | white-blue | 27 | green-pink |
| 6 | pink | 17 | white-red | 28 | green-blue |
| 7 | blue | 18 | white-black | 29 | green-red |
| 8 | red | 19 | brown-green | 30 | green-black |
| 9 | black | 20 | brown-yellow | 31 | yellow-grey |
| 10 | violet | 21 | brown-grey | 32 | yellow-pink |
| 11 | white-brown | 22 | brown-pink | 33 | yellow-blue |

Dimensions and specifications may be changed without prior notice. (RJ01)