ELTRON - KABEL®

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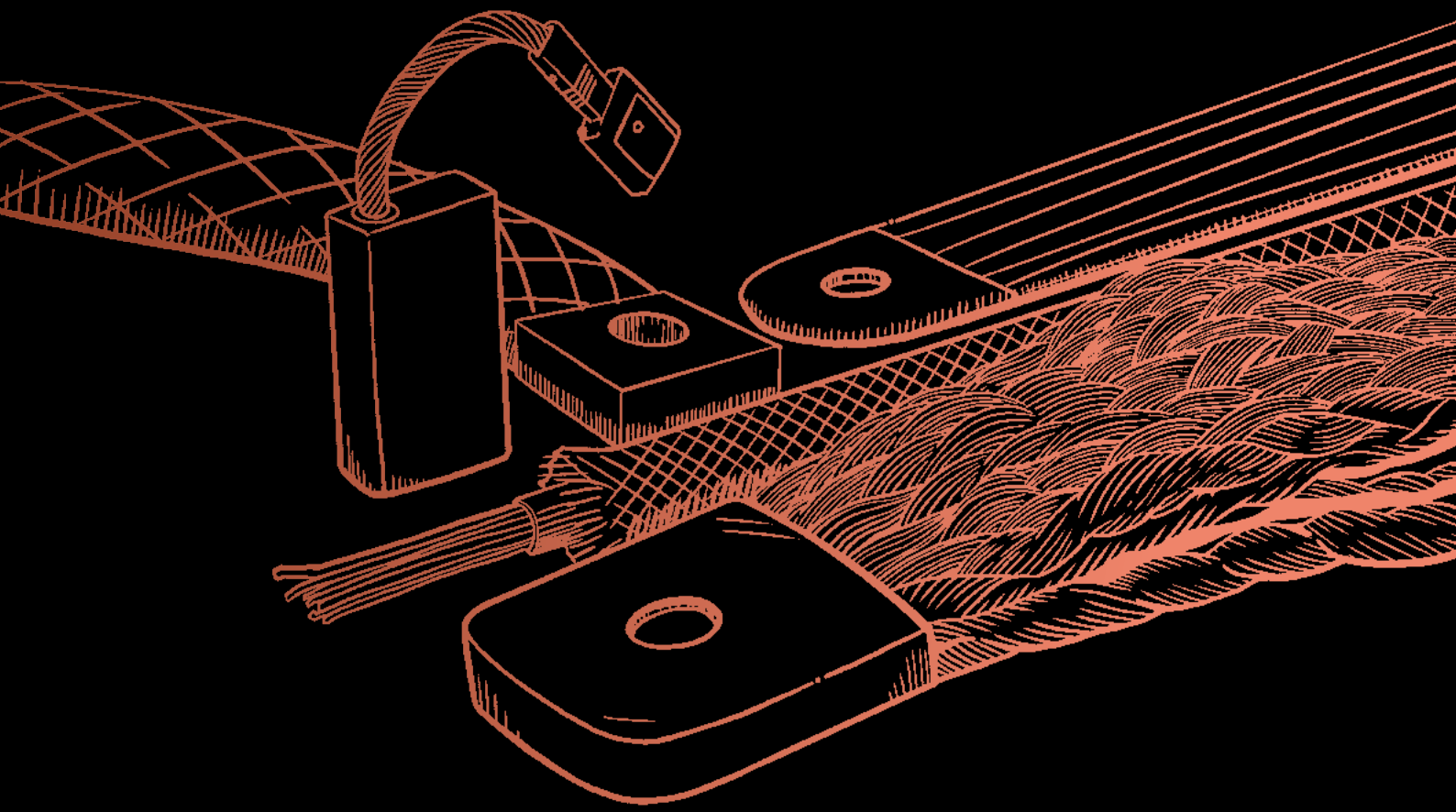
Bare/ tinned copper conductors

# COPPER CONDUCTORS

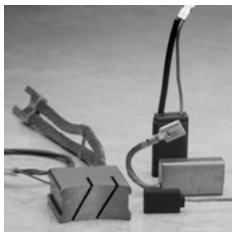


Channeling POWER

# BARE/TINNED COPPER CONDUCTORS

**flexible and superflexible stranded conductors hanging copper wires** 1

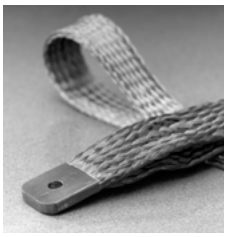
**Flexible Stranded Conductors** Lg, Lgc 2
**Superflexible Stranded Conductors** Lgg/Lggc, RDS/RDSc 4
**Hanging coopper wires** LCu 6
**Hanging coopper wires** LFeCu 7


**flexible and superflexible braided conductors** 8

**Flexible braided conductors** Pg/Pgc, Pgk/Pgkc 9
**Superflexible braided conductors** Pgg/Pggc, Pggk/Pggkc 11

**Tinned Copper Braided Hose** 13


**Rolled Braided Strap** 15

**Earthing Braided Copper Strap** 18


ELTRON - KABEL®
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# flexible and superflexible stranded conductors hanging copper wires

Flexible connections in switches and disconnectors, electric brushes

Driving trolleys, elements of the drive system of rail vehicles and railway tractions

# Flexible Stranded Conductor

## Flexible Stranded Conductor

- enhanced and standard flexibility
- enhanced and standard durability
- uniform elongation of individual wires

## Material

annealed copper wire, soft:
– bare (Cu)
– tinned (CuSn)

## Note

- silver-coated and nickel-coated conductors are available on request
- **Lg/Lgc** – flexible stranded bare/tinned copper conductor

## Application:

- electrotechnical industry
- earthing connections
- welding industry
- movable connections of electrical devices working in direct and alternating current circuits

## Technical Data

- single wire diameter: 0,15 to 0,50 mm
- technical specifications adapted to and acc. to EN 60228/PN-EN 60228
- conductor is stranded for high flexibility and bending strength

| Part no. | Type | Cross-section mm² | Single wire diameter mm | Wire diameter mm | Weight kg/km |
|---|---|---|---|---|---|
| 18050055 | Lg | 0,12 | 0,15 | 0,45 | 1,1 |
| 18050056 | Lg | 0,22 | 0,15 | 0,60 | 2,1 |
| 18050057 | Lg | 0,25 | 0,15 | 0,65 | 2,4 |
| 18050058 | Lg | 0,35 | 0,15 | 0,80 | 3,3 |
| 18050059 | Lg | 0,5 | 0,15 | 0,95 | 4,8 |
| 18050060 | Lg | 0,75 | 0,15 | 1,25 | 7,1 |
| 18050061 | Lg | 1 | 0,15 | 1,35 | 9,5 |
| 18050062 | Lg | 1,2 | 0,15 | 1,50 | 11,4 |
| 18050063 | Lg | 1,25 | 0,15 | 1,50 | 11,9 |
| 18050968 | Lg | 1,5 | 0,15 | 1,70 | 14,3 |
| 18050065 | Lg | 2 | 0,15 | 2,00 | 19,0 |
| 18050066 | Lg | 2,5 | 0,15 | 2,20 | 23,8 |
| 18050067 | Lg | 3,2 | 0,15 | 2,70 | 30,4 |
| 18050068 | Lg | 3,5 | 0,15 | 2,80 | 33,3 |
| 18050069 | Lg | 4 | 0,15 | 2,70 | 38,0 |
| 18050070 | Lg | 5 | 0,15 | 3,10 | 47,5 |
| 18050970 | Lg | 6 | 0,15 | 3,50 | 57,0 |
| 18050971 | Lg | 8 | 0,15 | 4,20 | 76,0 |
| 18050073 | Lg | 10 | 0,15 | 4,80 | 95,0 |
| 18050074 | Lg | 16 | 0,15 | 6,00 | 152,0 |
| 18050965 | Lg | 25 | 0,15 | 7,50 | 237,5 |
| 18050076 | Lg | 35 | 0,15 | 8,50 | 332,5 |
| 18050960 | Lg | 50 | 0,15 | 10,00 | 475,0 |
| 18050078 | Lg | 70 | 0,15 | 13,50 | 665,0 |
| 18050973 | Lg | 95 | 0,15 | 15,00 | 902,5 |
| 18050974 | Lg | 120 | 0,15 | 16,00 | 1140,0 |
| 18050081 | Lg | 150 | 0,15 | 16,00 | 1425,0 |
| 18050082 | Lg | 185 | 0,15 | 20,00 | 1757,5 |
| 18050083 | Lg | 0,22 | 0,20 | 0,60 | 2,1 |
| 18050084 | Lg | 0,25 | 0,20 | 0,65 | 2,4 |
| 18050085 | Lg | 0,35 | 0,20 | 0,80 | 3,3 |
| 18050086 | Lg | 0,5 | 0,20 | 0,95 | 4,8 |
| 18050087 | Lg | 0,75 | 0,20 | 1,25 | 7,1 |
| 18050088 | Lg | 1 | 0,20 | 1,35 | 9,5 |
| 18050089 | Lg | 1,2 | 0,20 | 1,50 | 11,4 |
| 18050090 | Lg | 1,25 | 0,20 | 1,50 | 11,9 |
| 18050091 | Lg | 1,5 | 0,20 | 1,70 | 14,3 |
| 18050092 | Lg | 2 | 0,20 | 2,00 | 19,0 |
| 18050093 | Lg | 2,5 | 0,20 | 2,20 | 23,8 |
| 18050094 | Lg | 3,2 | 0,20 | 2,70 | 30,4 |
| 18050095 | Lg | 3,5 | 0,20 | 2,80 | 33,3 |
| 18050096 | Lg | 4 | 0,20 | 2,70 | 38,0 |
| 18050097 | Lg | 5 | 0,20 | 3,10 | 47,5 |
| 18050098 | Lg | 6 | 0,20 | 3,50 | 57,0 |
| 18050099 | Lg | 8 | 0,20 | 4,20 | 76,0 |
| 18050100 | Lg | 10 | 0,20 | 4,80 | 95,0 |

| Part no. | Type | Cross-section mm² | Single wire diameter mm | Wire diameter mm | Weight kg/km |
|---|---|---|---|---|---|
| 18050168 | Lgc | 0,12 | 0,15 | 0,45 | 1,1 |
| 18050169 | Lgc | 0,22 | 0,15 | 0,60 | 2,1 |
| 18050170 | Lgc | 0,25 | 0,15 | 0,65 | 2,4 |
| 18050171 | Lgc | 0,35 | 0,15 | 0,80 | 3,3 |
| 18050172 | Lgc | 0,5 | 0,15 | 0,95 | 4,8 |
| 18050173 | Lgc | 0,75 | 0,15 | 1,25 | 7,1 |
| 18050174 | Lgc | 1 | 0,15 | 1,35 | 9,5 |
| 18050175 | Lgc | 1,2 | 0,15 | 1,50 | 11,4 |
| 18050176 | Lgc | 1,25 | 0,15 | 1,50 | 11,9 |
| 18050177 | Lgc | 1,5 | 0,15 | 1,70 | 14,3 |
| 18050178 | Lgc | 2 | 0,15 | 2,00 | 19,0 |
| 18050179 | Lgc | 2,5 | 0,15 | 2,20 | 23,8 |
| 18050180 | Lgc | 3,2 | 0,15 | 2,70 | 30,4 |
| 18050181 | Lgc | 3,5 | 0,15 | 2,80 | 33,3 |
| 18050182 | Lgc | 4 | 0,15 | 2,70 | 38,0 |
| 18050183 | Lgc | 5 | 0,15 | 3,10 | 47,5 |
| 18050184 | Lgc | 6 | 0,15 | 3,50 | 57,0 |
| 18050185 | Lgc | 8 | 0,15 | 4,20 | 76,0 |
| 18050186 | Lgc | 10 | 0,15 | 4,80 | 95,0 |
| 18050187 | Lgc | 16 | 0,15 | 6,00 | 152,0 |
| 18050188 | Lgc | 25 | 0,15 | 7,50 | 237,5 |
| 18050189 | Lgc | 35 | 0,15 | 8,50 | 332,5 |
| 18050190 | Lgc | 50 | 0,15 | 10,00 | 475,0 |
| 18050191 | Lgc | 70 | 0,15 | 13,50 | 665,0 |
| 18050192 | Lgc | 95 | 0,15 | 15,00 | 902,5 |
| 18050193 | Lgc | 120 | 0,15 | 16,00 | 1140,0 |
| 18050194 | Lgc | 150 | 0,15 | 16,00 | 1425,0 |
| 18050195 | Lgc | 185 | 0,15 | 20,00 | 1757,5 |
| 18050196 | Lgc | 0,22 | 0,20 | 0,60 | 2,1 |
| 18050197 | Lgc | 0,25 | 0,20 | 0,65 | 2,4 |
| 18050198 | Lgc | 0,35 | 0,20 | 0,80 | 3,3 |
| 18050199 | Lgc | 0,5 | 0,20 | 0,95 | 4,8 |
| 18050200 | Lgc | 0,75 | 0,20 | 1,25 | 7,1 |
| 18050201 | Lgc | 1 | 0,20 | 1,35 | 9,5 |
| 18050202 | Lgc | 1,2 | 0,20 | 1,50 | 11,4 |
| 18050203 | Lgc | 1,25 | 0,20 | 1,50 | 11,9 |
| 18050204 | Lgc | 1,5 | 0,20 | 1,70 | 14,3 |
| 18050205 | Lgc | 2 | 0,20 | 2,00 | 19,0 |
| 18050206 | Lgc | 2,5 | 0,20 | 2,20 | 23,8 |
| 18050207 | Lgc | 3,2 | 0,20 | 2,70 | 30,4 |
| 18050208 | Lgc | 3,5 | 0,20 | 2,80 | 33,3 |
| 18050209 | Lgc | 4 | 0,20 | 2,70 | 38,0 |
| 18050210 | Lgc | 5 | 0,20 | 3,10 | 47,5 |
| 18050211 | Lgc | 6 | 0,20 | 3,50 | 57,0 |
| 18050212 | Lgc | 8 | 0,20 | 4,20 | 76,0 |
| 18050213 | Lgc | 10 | 0,20 | 4,80 | 95,0 |

| Part no. | Type | Cross-section mm² | Single wire diameter mm | Wire diameter mm | Weight kg/km |
|---|---|---|---|---|---|
| 18050101 | Lg | 16 | 0,20 | 6,00 | 152,0 |
| 18050975 | Lg | 25 | 0,20 | 7,50 | 237,5 |
| 18050103 | Lg | 35 | 0,20 | 8,50 | 332,5 |
| 18050931 | Lg | 50 | 0,20 | 10,00 | 475,0 |
| 18050105 | Lg | 70 | 0,20 | 13,50 | 665,0 |
| 18050106 | Lg | 95 | 0,20 | 15,00 | 902,5 |
| 18050107 | Lg | 120 | 0,20 | 16,00 | 1140,0 |
| 18050978 | Lg | 150 | 0,20 | 16,00 | 1425,0 |
| 18050109 | Lg | 185 | 0,20 | 20,00 | 1757,5 |
| 18050110 | Lg | 4 | 0,30 | 2,70 | 38,0 |
| 18050111 | Lg | 5 | 0,30 | 3,10 | 47,5 |
| 18050112 | Lg | 6 | 0,30 | 3,50 | 57,0 |
| 18050113 | Lg | 8 | 0,30 | 4,20 | 76,0 |
| 18050114 | Lg | 10 | 0,30 | 4,80 | 95,0 |
| 18050115 | Lg | 16 | 0,30 | 6,00 | 152,0 |
| 18050116 | Lg | 25 | 0,30 | 7,50 | 237,5 |
| 18050117 | Lg | 35 | 0,30 | 8,50 | 332,5 |
| 18050118 | Lg | 50 | 0,30 | 10,00 | 475,0 |
| 18050986 | Lg | 70 | 0,30 | 13,50 | 665,0 |
| 18050120 | Lg | 95 | 0,30 | 15,00 | 902,5 |
| 18050121 | Lg | 120 | 0,30 | 16,00 | 1140,0 |
| 18050122 | Lg | 150 | 0,30 | 16,00 | 1425,0 |
| 18050123 | Lg | 185 | 0,30 | 20,00 | 1757,5 |
| 18050124 | Lg | 10 | 0,40 | 4,80 | 95,0 |
| 18050125 | Lg | 16 | 0,40 | 6,00 | 152,0 |
| 18050126 | Lg | 25 | 0,40 | 7,50 | 237,5 |
| 18050987 | Lg | 35 | 0,40 | 8,50 | 332,5 |
| 18050988 | Lg | 50 | 0,40 | 10,00 | 475,0 |
| 18050129 | Lg | 70 | 0,40 | 13,50 | 665,0 |
| 18050130 | Lg | 95 | 0,40 | 15,00 | 902,5 |
| 18050131 | Lg | 120 | 0,40 | 16,00 | 1140,0 |
| 18050132 | Lg | 150 | 0,40 | 16,00 | 1425,0 |
| 18050133 | Lg | 185 | 0,40 | 20,00 | 1757,5 |
| 18050989 | Lg | 70 | 0,50 | 13,50 | 665,0 |
| 18050135 | Lg | 95 | 0,50 | 15,00 | 902,5 |
| 18050136 | Lg | 120 | 0,50 | 16,00 | 1140,0 |
| 18050137 | Lg | 150 | 0,50 | 16,00 | 1425,0 |
| 18050138 | Lg | 185 | 0,50 | 20,00 | 1757,5 |

| Part no. | Type | Cross-section mm² | Single wire diameter mm | Wire diameter mm | Weight kg/km |
|---|---|---|---|---|---|
| 18050214 | Lgc | 16 | 0,20 | 6,00 | 152,0 |
| 18050215 | Lgc | 25 | 0,20 | 7,50 | 237,5 |
| 18050216 | Lgc | 35 | 0,20 | 8,50 | 332,5 |
| 18050217 | Lgc | 50 | 0,20 | 10,00 | 475,0 |
| 18050218 | Lgc | 70 | 0,20 | 13,50 | 665,0 |
| 18050219 | Lgc | 95 | 0,20 | 15,00 | 902,5 |
| 18050220 | Lgc | 120 | 0,20 | 16,00 | 1140,0 |
| 18050221 | Lgc | 150 | 0,20 | 16,00 | 1425,0 |
| 18050222 | Lgc | 185 | 0,20 | 20,00 | 1757,5 |
| 18050223 | Lgc | 4 | 0,30 | 2,70 | 38,0 |
| 18050224 | Lgc | 5 | 0,30 | 3,10 | 47,5 |
| 11008942 | Lgc | 6 | 0,30 | 3,50 | 57,0 |
| 18050226 | Lgc | 8 | 0,30 | 4,20 | 76,0 |
| 18050227 | Lgc | 10 | 0,30 | 4,80 | 95,0 |
| 18050228 | Lgc | 16 | 0,30 | 6,00 | 152,0 |
| 18050229 | Lgc | 25 | 0,30 | 7,50 | 237,5 |
| 18050230 | Lgc | 35 | 0,30 | 8,50 | 332,5 |
| 18050231 | Lgc | 50 | 0,30 | 10,00 | 475,0 |
| 18050232 | Lgc | 70 | 0,30 | 13,50 | 665,0 |
| 18050233 | Lgc | 95 | 0,30 | 15,00 | 902,5 |
| 18050234 | Lgc | 120 | 0,30 | 16,00 | 1140,0 |
| 18050235 | Lgc | 150 | 0,30 | 16,00 | 1425,0 |
| 18050236 | Lgc | 185 | 0,30 | 20,00 | 1757,5 |
| 11008540 | Lgc | 10 | 0,40 | 4,80 | 95,0 |
| 11008541 | Lgc | 16 | 0,40 | 6,00 | 152,0 |
| 11008943 | Lgc | 25 | 0,40 | 7,50 | 237,5 |
| 11008944 | Lgc | 35 | 0,40 | 8,50 | 332,5 |
| 11008945 | Lgc | 50 | 0,40 | 10,00 | 475,0 |
| 18050242 | Lgc | 70 | 0,40 | 13,50 | 665,0 |
| 18050243 | Lgc | 95 | 0,40 | 15,00 | 902,5 |
| 18050244 | Lgc | 120 | 0,40 | 16,00 | 1140,0 |
| 18050245 | Lgc | 150 | 0,40 | 16,00 | 1425,0 |
| 18050246 | Lgc | 185 | 0,40 | 20,00 | 1757,5 |
| 11008946 | Lgc | 70 | 0,50 | 13,50 | 665,0 |
| 11008947 | Lgc | 95 | 0,50 | 15,00 | 902,5 |
| 11008948 | Lgc | 120 | 0,50 | 16,00 | 1140,0 |
| 11008949 | Lgc | 150 | 0,50 | 16,00 | 1425,0 |
| 11008950 | Lgc | 185 | 0,50 | 20,00 | 1757,5 |

Dimensions and specifications may be changed without prior notice.

# Superflexible Stranded Conductor

## Superflexible Stranded Conductor

- unique flexibility
- unique durability
- uniform elongation of individual wires

## Application:

- electrotechnical industry
- brushes for electric motors
- residual-current devices
- movable connections of electrical devices working in direct and alternating current circuits

## Material

annealed copper wire, soft:
– bare (Cu)
– tinned (CuSn)

## Technical Data

- single wire diameter: 0,05 to 0,10 mm
- technical specifications of Lgg conductors adapted to EN 60228/PN-EN 60228
- technical specifications of RDS conductors according to DIN 46438
- conductor is stranded for high flexibility and bending strength

## Note

- silver-coated and nickel-coated conductors are available on request
- **Lgg/Lggc** – superflexible stranded bare/tinned copper conductor
- **RDS/RDSc** – superflexible stranded bare/tinned copper conductor

| Part no. | Type | Cross-section mm² | Single wire diameter mm | Wire diameter mm | Weight kg/km |
|---|---|---|---|---|---|
| 18049928 | RDS | 0,22 | 0,05 | 0,7 | 2,1 |
| 18049929 | RDS | 0,25 | 0,05 | 0,7 | 2,4 |
| 18049930 | RDS | 0,35 | 0,05 | 0,8 | 3,3 |
| 18049931 | RDS | 0,5 | 0,05 | 1,0 | 4,8 |
| 18050911 | RDS | 0,75 | 0,05 | 1,3 | 7,1 |
| 18050912 | RDS | 1 | 0,05 | 1,4 | 9,5 |
| 18049934 | RDS | 1,2 | 0,07 | 1,5 | 11,4 |
| 18049935 | RDS | 1,25 | 0,07 | 1,5 | 11,9 |
| 18050913 | RDS | 1,5 | 0,07 | 1,7 | 14,3 |
| 18050914 | RDS | 2 | 0,07 | 2,0 | 19,0 |
| 18050969 | RDS | 2,5 | 0,07 | 2,2 | 23,8 |
| 18050915 | RDS | 3,2 | 0,07 | 2,7 | 30,4 |
| 18049940 | RDS | 3,5 | 0,07 | 2,8 | 33,3 |
| 18050910 | RDS | 4 | 0,07 | 2,9 | 38,0 |
| 18049942 | RDS | 5 | 0,07 | 3,1 | 47,5 |
| 18050916 | RDS | 6 | 0,07 | 3,5 | 57,0 |
| 18050917 | RDS | 8 | 0,07 | 4,2 | 76,0 |
| 18050918 | RDS | 10 | 0,07 | 4,8 | 95,0 |
| 18050919 | RDS | 16 | 0,07 | 6,5 | 152,0 |
| 18050920 | RDS | 25 | 0,10 | 7,5 | 237,5 |
| 18050922 | RDS | 35 | 0,10 | 9,0 | 332,5 |
| 18050924 | RDS | 50 | 0,10 | 11,0 | 475,0 |
| 18049950 | RDS | 70 | 0,10 | 12,0 | 665,0 |
| 18049951 | RDS | 95 | 0,10 | 14,8 | 902,5 |

| Part no. | Type | Cross-section mm² | Single wire diameter mm | Wire diameter mm | Weight kg/km |
|---|---|---|---|---|---|
| 18049952 | RDS | 120 | 0,10 | 16,0 | 1140,0 |
| 18049953 | RDS | 150 | 0,10 | 16,0 | 1425,0 |
| 18049954 | RDS | 185 | 0,10 | 20,0 | 1757,5 |
| 18049955 | RDSc | 1,2 | 0,07 | 1,5 | 11,4 |
| 18049956 | RDSc | 1,25 | 0,07 | 1,5 | 11,9 |
| 18049957 | RDSc | 1,5 | 0,07 | 1,7 | 14,3 |
| 18049958 | RDSc | 2 | 0,07 | 2,0 | 19,0 |
| 18049959 | RDSc | 2,5 | 0,07 | 2,2 | 23,8 |
| 18049960 | RDSc | 3,2 | 0,07 | 2,7 | 30,4 |
| 18049961 | RDSc | 3,5 | 0,07 | 2,8 | 33,3 |
| 18049962 | RDSc | 4 | 0,07 | 2,9 | 38,0 |
| 18049963 | RDSc | 5 | 0,07 | 3,1 | 47,5 |
| 18049964 | RDSc | 6 | 0,07 | 3,5 | 57,0 |
| 18050925 | RDSc | 8 | 0,07 | 4,2 | 76,0 |
| 18049966 | RDSc | 10 | 0,07 | 4,8 | 95,0 |
| 18049967 | RDSc | 16 | 0,07 | 6,5 | 152,0 |
| 18049968 | RDSc | 25 | 0,10 | 7,5 | 237,5 |
| 18049969 | RDSc | 35 | 0,10 | 9,0 | 332,5 |
| 18049970 | RDSc | 50 | 0,10 | 11,0 | 475,0 |
| 18049971 | RDSc | 70 | 0,10 | 12,0 | 665,0 |
| 18049972 | RDSc | 95 | 0,10 | 14,8 | 902,5 |
| 18049973 | RDSc | 120 | 0,10 | 16,0 | 1140,0 |
| 18049974 | RDSc | 150 | 0,10 | 16,0 | 1425,0 |
| 18049975 | RDSc | 185 | 0,10 | 20,0 | 1757,5 |

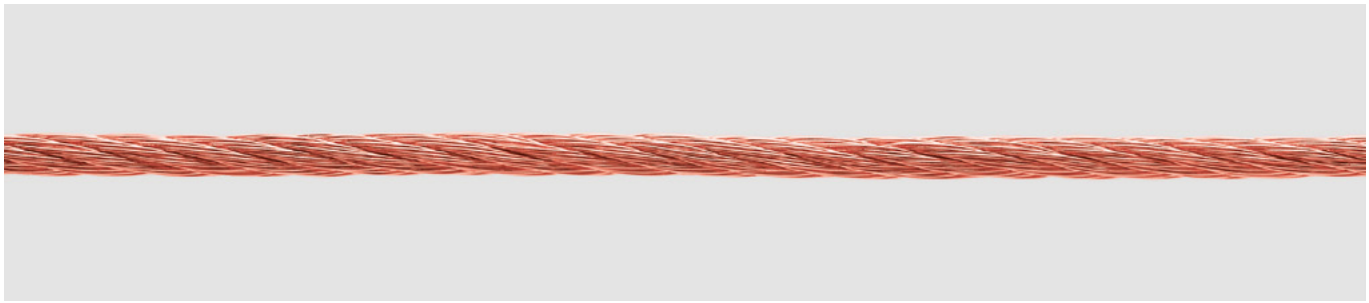
Continuation ▸

| Part no. | Type | Cross-section mm² | Single wire diameter mm | Wire diameter mm | Weight kg/km |
|---|---|---|---|---|---|
| 18049976 | Lgg | 0,08 | 0,05 | 0,4 | 0,8 |
| 18049977 | Lgg | 0,12 | 0,05 | 0,5 | 1,1 |
| 18050927 | Lgg | 0,22 | 0,05 | 0,6 | 2,1 |
| 18049979 | Lgg | 0,25 | 0,05 | 0,7 | 2,4 |
| 18049980 | Lgg | 0,35 | 0,05 | 0,8 | 3,3 |
| 18049981 | Lgg | 0,5 | 0,05 | 1,0 | 4,8 |
| 18049982 | Lgg | 0,75 | 0,05 | 1,3 | 7,1 |
| 18049983 | Lgg | 1 | 0,05 | 1,4 | 9,5 |
| 18049984 | Lgg | 1,2 | 0,05 | 1,5 | 11,4 |
| 18049985 | Lgg | 1,25 | 0,05 | 1,5 | 11,9 |
| 18049986 | Lgg | 1,5 | 0,05 | 1,7 | 14,3 |
| 18049987 | Lgg | 2 | 0,05 | 2,0 | 19,0 |
| 18050928 | Lgg | 2,5 | 0,05 | 2,2 | 23,8 |
| 18049989 | Lgg | 3,2 | 0,05 | 2,7 | 30,4 |
| 18049990 | Lgg | 3,5 | 0,05 | 2,8 | 33,3 |
| 18049991 | Lgg | 4 | 0,05 | 2,7 | 38,0 |
| 18049992 | Lgg | 5 | 0,05 | 3,1 | 47,5 |
| 18049993 | Lgg | 6 | 0,05 | 3,5 | 57,0 |
| 18049994 | Lgg | 8 | 0,05 | 4,2 | 76,0 |
| 18049995 | Lgg | 10 | 0,05 | 4,8 | 95,0 |
| 18049996 | Lgg | 16 | 0,05 | 6,0 | 152,0 |
| 18049997 | Lgg | 22,5 | 0,05 | 6,5 | 213,8 |
| 18049998 | Lgg | 25 | 0,05 | 7,5 | 237,5 |
| 18049999 | Lgg | 35 | 0,05 | 8,5 | 332,5 |
| 18050000 | Lgg | 0,08 | 0,07 | 0,4 | 0,8 |
| 18050001 | Lgg | 0,12 | 0,07 | 0,5 | 1,1 |
| 18050002 | Lgg | 0,22 | 0,07 | 0,6 | 2,1 |
| 18050003 | Lgg | 0,25 | 0,07 | 0,7 | 2,4 |
| 18050004 | Lgg | 0,35 | 0,07 | 0,8 | 3,3 |
| 18050005 | Lgg | 0,5 | 0,07 | 1,0 | 4,8 |
| 18050006 | Lgg | 0,75 | 0,07 | 1,3 | 7,1 |
| 18050007 | Lgg | 1 | 0,07 | 1,4 | 9,5 |
| 18050008 | Lgg | 1,2 | 0,07 | 1,5 | 11,4 |
| 18050009 | Lgg | 1,25 | 0,07 | 1,5 | 11,9 |
| 18050010 | Lgg | 1,5 | 0,07 | 1,7 | 14,3 |
| 18050011 | Lgg | 2 | 0,07 | 2,0 | 19,0 |
| 18050012 | Lgg | 2,5 | 0,07 | 2,2 | 23,8 |
| 18050013 | Lgg | 3,2 | 0,07 | 2,7 | 30,4 |
| 18050014 | Lgg | 3,5 | 0,07 | 2,8 | 33,3 |
| 18050929 | Lgg | 4 | 0,07 | 2,7 | 38,0 |
| 18050016 | Lgg | 5 | 0,07 | 3,1 | 47,5 |
| 18050932 | Lgg | 6 | 0,07 | 3,5 | 57,0 |
| 18050018 | Lgg | 8 | 0,07 | 4,2 | 76,0 |
| 18050933 | Lgg | 10 | 0,07 | 4,8 | 95,0 |
| 18050020 | Lgg | 16 | 0,07 | 6,0 | 152,0 |
| 18050934 | Lgg | 25 | 0,07 | 7,5 | 237,5 |
| 18050022 | Lgg | 35 | 0,07 | 8,5 | 332,5 |
| 18050023 | Lgg | 50 | 0,07 | 10,0 | 475,0 |
| 18050024 | Lgg | 70 | 0,07 | 13,5 | 665,0 |
| 18050025 | Lgg | 95 | 0,07 | 15,0 | 902,5 |
| 18050026 | Lgg | 0,08 | 0,10 | 0,4 | 0,8 |
| 18050027 | Lgg | 0,12 | 0,10 | 0,5 | 1,1 |
| 18050028 | Lgg | 0,22 | 0,10 | 0,6 | 2,1 |
| 18050029 | Lgg | 0,25 | 0,10 | 0,7 | 2,4 |
| 18050030 | Lgg | 0,35 | 0,10 | 0,8 | 3,3 |
| 18050031 | Lgg | 0,5 | 0,10 | 1,0 | 4,8 |
| 18050032 | Lgg | 0,75 | 0,10 | 1,3 | 7,1 |
| 18050033 | Lgg | 1 | 0,10 | 1,4 | 9,5 |
| 18050034 | Lgg | 1,2 | 0,10 | 1,5 | 11,4 |
| 18050035 | Lgg | 1,25 | 0,10 | 1,5 | 11,9 |
| 18050935 | Lgg | 1,5 | 0,10 | 1,7 | 14,3 |
| 18050037 | Lgg | 2 | 0,10 | 2,0 | 19,0 |
| 18050038 | Lgg | 2,5 | 0,10 | 2,2 | 23,8 |
| 18050039 | Lgg | 3,2 | 0,10 | 2,7 | 30,4 |
| 18050040 | Lgg | 3,5 | 0,10 | 2,8 | 33,3 |
| 18050041 | Lgg | 4 | 0,10 | 2,7 | 38,0 |
| 18050042 | Lgg | 5 | 0,10 | 3,1 | 47,5 |
| 18050043 | Lgg | 6 | 0,10 | 3,5 | 57,0 |
| 18050936 | Lgg | 8 | 0,10 | 4,2 | 76,0 |
| 18050937 | Lgg | 10 | 0,10 | 4,8 | 95,0 |
| 18050923 | Lgg | 16 | 0,10 | 6,0 | 152,0 |
| 18050921 | Lgg | 25 | 0,10 | 7,5 | 237,5 |
| 18050926 | Lgg | 35 | 0,10 | 8,5 | 332,5 |
| 18050938 | Lgg | 50 | 0,10 | 10,0 | 475,0 |
| 18050939 | Lgg | 70 | 0,10 | 13,5 | 665,0 |
| 18050051 | Lgg | 95 | 0,10 | 15,0 | 902,5 |
| 18050052 | Lgg | 120 | 0,10 | 16,0 | 1140,0 |
| 18050053 | Lgg | 150 | 0,10 | 16,0 | 1425,0 |
| 18050054 | Lgg | 185 | 0,10 | 20,0 | 1757,5 |

| Nr kat. | Typ | Przekrój mm² | Średnica pojedynczego drutu mm | Średnica linki mm | Waga kg/km |
|---|---|---|---|---|---|
| 18050139 | Lggc | 0,08 | 0,10 | 0,40 | 0,8 |
| 18050140 | Lggc | 0,12 | 0,10 | 0,45 | 1,1 |
| 18050141 | Lggc | 0,22 | 0,10 | 0,60 | 2,1 |
| 18050142 | Lggc | 0,25 | 0,10 | 0,65 | 2,4 |
| 18050143 | Lggc | 0,35 | 0,10 | 0,80 | 3,3 |
| 18050144 | Lggc | 0,5 | 0,10 | 0,95 | 4,8 |
| 18050145 | Lggc | 0,75 | 0,10 | 1,25 | 7,1 |
| 18050146 | Lggc | 1 | 0,10 | 1,35 | 9,5 |
| 18050147 | Lggc | 1,2 | 0,10 | 1,50 | 11,4 |
| 18050148 | Lggc | 1,25 | 0,10 | 1,50 | 11,9 |
| 18050149 | Lggc | 1,5 | 0,10 | 1,70 | 14,3 |
| 18050150 | Lggc | 2 | 0,10 | 2,00 | 19,0 |
| 18050151 | Lggc | 2,5 | 0,10 | 2,20 | 23,8 |
| 18050152 | Lggc | 3,2 | 0,10 | 2,70 | 30,4 |
| 18050153 | Lggc | 3,5 | 0,10 | 2,80 | 33,3 |
| 18050154 | Lggc | 4 | 0,10 | 2,70 | 38,0 |
| 18050940 | Lggc | 5 | 0,10 | 3,10 | 47,5 |
| 18050156 | Lggc | 6 | 0,10 | 3,50 | 57,0 |
| 18050157 | Lggc | 8 | 0,10 | 4,20 | 76,0 |
| 18050941 | Lggc | 10 | 0,10 | 4,80 | 95,0 |
| 18050159 | Lggc | 16 | 0,10 | 6,00 | 152,0 |
| 18050160 | Lggc | 25 | 0,10 | 7,50 | 237,5 |
| 18050161 | Lggc | 35 | 0,10 | 8,50 | 332,5 |
| 18050162 | Lggc | 50 | 0,10 | 10,00 | 475,0 |
| 18050163 | Lggc | 70 | 0,10 | 13,50 | 665,0 |
| 18050164 | Lggc | 95 | 0,10 | 15,00 | 902,5 |
| 18050165 | Lggc | 120 | 0,10 | 16,00 | 1140,0 |
| 18050166 | Lggc | 150 | 0,10 | 16,00 | 1425,0 |
| 18050167 | Lggc | 185 | 0,10 | 20,00 | 1757,5 |

Dimensions and specifications may be changed without prior notice.

# Hanging copper wire 10 mm²



## Wire structure

- Coaxially twisted wire made of 7 strands arranged in layers using a cigar twister
- **For Cu 10 mm²/0,40 mm**
- Made of 77 wires Cu of 0,40 mm diameter,
- Wire construction: (11 x 0,40 mm) x 7
- **For Cu 10 mm²/0,50mm**
- Made of 49 wires Cu of 0,50 mm diameter
- Wire construction: (7 x 0,50 mm) x 7

## Properties

- Geometry in accordance with: PN-74/E-90081
- Core material: Cu–ETP1 according to PN-EN 13602
- Wire lay length: max 50mm
- Packaging: wire drums or spools

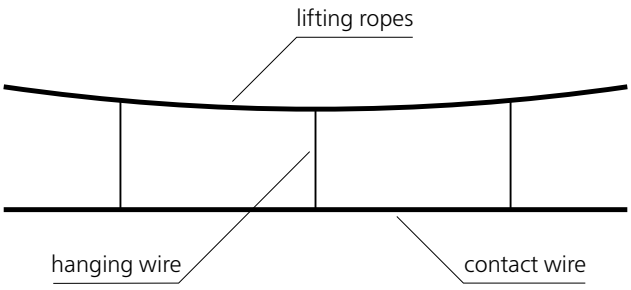
## Application

Hanging wire used in railway traction networks (figure no.1) They are made as flexible wires of reinforced Cu-ETP. They are suspended at regular intervals to the lifting ropes and their main task is to suport the contact wire. .

| Part no. | Nominal cross section mm² | Single wire diameter mm | Diameter Tolerance mm | Construction n x mm | Outer diameter mm | Nominal resistance Ω/km | Weight app. kg /km |
|---|---|---|---|---|---|---|---|
| 18049205 | 10 | 0,4 | ±0,009 | (11x0,4) x 7 | 4,6 ± 0,1 | 1,91 ± 5% | 91 |
| 18049228 | 10 | 0,5 | ±0,005 | (7x0,5) x 7 | 4,6 ± 0,2 | 1,8 -± 5% | 91 |

Dimensions and specifications may be changed without prior notice.

figure no. 1



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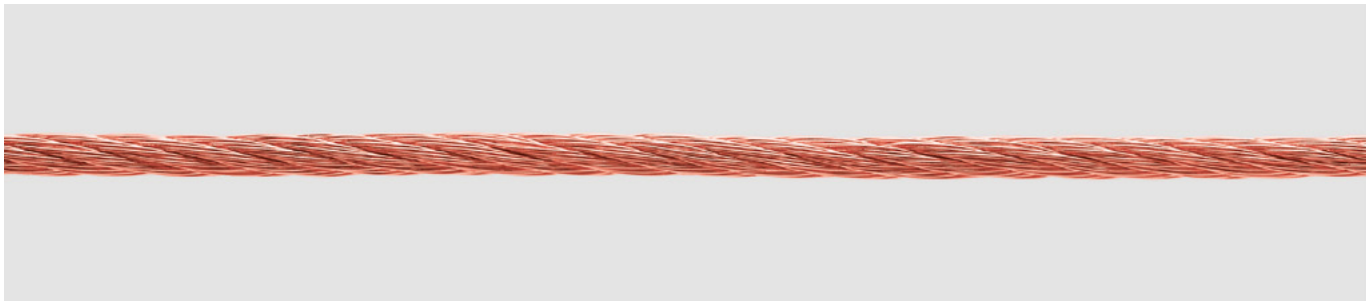
HELUKABEL Group

# Hanging composite iron-copper wire 10 mm²



## Wire structure

- Coaxially twisted wire made of 7 strands arranged in layers using a cigar twister
- Made of 77 wires of iron-copper bimetallic (FeCu) 0,40 mm diameter
- Wire construction: (11 x 0,40 mm) x 7

## Properties

- Geometry in accordance with: PN-74/E-90081
- Core material: iron-copper wires for very good electrical and mechanical properties
- Wire lay length: max 50mm
- Conductivity: 30% IACS
- Packaging: wire drums or spools

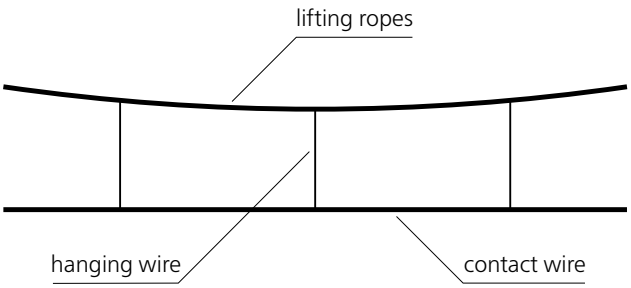
## Application

Hanging wire used in railway traction networks (figure no. 1) They are made as flexible wires of iron-copper bimetallic (FeCu). They are suspended at regular intervals to the lifting ropes and their main task is to suport the contact wire.

| Part no. | Nominal cross section mm² | Single wire diameter mm | Diameter Tolerance mm | Construction n x mm | Outer diameter mm | Nominal resistance Ω/km | Weight app. kg/km |
|---|---|---|---|---|---|---|---|
| 18048752 | 10 | 0,4 | ±0,007 | (11 x 0,4) x 7 | 4,6±0,2 | 5,25 ±5% | 82 |

Dimensions and specifications may be changed without prior notice.

figure no. 1

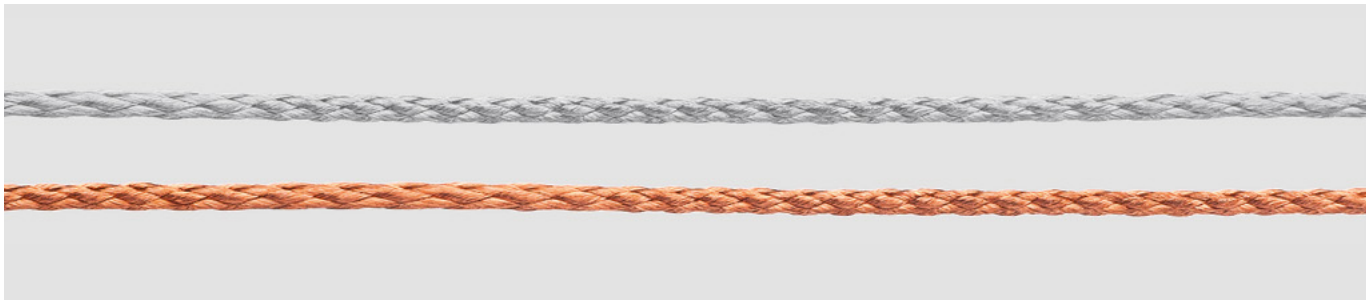


# flexible and superflexible braided conductors

Flexible connections in switches and disconnectors, electric brushes

Driving trolleys, elements of the drive system of rail vehicles and railway tractions

# Flexible Braided Conductor



## Flexible Braided Conductor

- improved flexibility
- improved durability,
- uniform elongation of individual wires

## Application:

- electrotechnical industry, earthing connections
- welding industry
- movable connections of electrical devices working in direct and alternating current circuits

## Material

annealed copper wire, soft:
– bare (Cu)
– tinned (CuSn)

## Technical Data

- single wire diameter: 0,15 to 0,20 mm
- technical specifications adapted to EN 60228/PN-EN 60228
- conductor is twisted for high flexibility and bending strength

## Note

- silver-coated and nickel-coated conductors are available on request
- **Pg/Pgc** – flexible braided round bare/tinned copper conductor
- **Pgk/Pgck** – flexible braided square bare/tinned copper conductor

| Part no. | Type | Cross-section mm² | Single wire diameter mm | Wire diameter mm | Weight kg/km |
|---|---|---|---|---|---|
| 18049586 | Pg | 1 | 0,15 | 1,7 | 10,0 |
| 18049587 | Pg | 1,2 | 0,15 | 1,7 | 12,0 |
| 18049588 | Pg | 1,25 | 0,15 | 1,7 | 12,5 |
| 18049589 | Pg | 1,3 | 0,15 | 1,7 | 13,0 |
| 18049590 | Pg | 1,5 | 0,15 | 1,8 | 15,0 |
| 18049591 | Pg | 1,8 | 0,15 | 2,2 | 18,0 |
| 18049592 | Pg | 2,3 | 0,15 | 2,2 | 23,0 |
| 18049593 | Pg | 2,5 | 0,15 | 2,3 | 25,0 |
| 18049594 | Pg | 3 | 0,15 | 2,7 | 30,0 |
| 18049595 | Pg | 3,2 | 0,15 | 2,7 | 32,0 |
| 18049596 | Pg | 3,3 | 0,15 | 2,7 | 33,0 |
| 18049597 | Pg | 3,5 | 0,15 | 2,8 | 35,0 |
| 18050991 | Pg | 4 | 0,15 | 2,9 | 40,0 |
| 18049599 | Pg | 5 | 0,15 | 3,3 | 50,0 |
| 18049600 | Pg | 6 | 0,15 | 3,5 | 60,0 |
| 18049601 | Pg | 8 | 0,15 | 4,0 | 80,0 |
| 18049602 | Pg | 9 | 0,15 | 4,6 | 90,0 |
| 18049603 | Pg | 10 | 0,15 | 5,0 | 100,0 |
| 18049604 | Pg | 14 | 0,15 | 6,1 | 140,0 |
| 18050992 | Pg | 16 | 0,15 | 5,6 | 160,0 |
| 18049606 | Pg | 20 | 0,15 | 7,4 | 200,0 |
| 18050993 | Pg | 25 | 0,15 | 8,0 | 250,0 |
| 18049608 | Pg | 30 | 0,15 | 8,5 | 300,0 |
| 18049609 | Pg | 35 | 0,15 | 9,0 | 350,0 |
| 18049610 | Pg | 50 | 0,15 | 11,5 | 500,0 |
| 18049611 | Pg | 70 | 0,15 | 14,0 | 700,0 |
| 18049612 | Pg | 75 | 0,15 | 14,0 | 750,0 |
| 18049613 | Pg | 95 | 0,15 | 16,0 | 950,0 |
| 18049614 | Pg | 120 | 0,15 | 19,0 | 1200,0 |
| 18049615 | Pg | 150 | 0,15 | 21,0 | 1500,0 |
| 18049616 | Pg | 6 | 0,20 | 3,5 | 60,0 |
| 18049617 | Pg | 8 | 0,20 | 4,0 | 80,0 |
| 18049618 | Pg | 9 | 0,20 | 4,6 | 90,0 |
| 18049619 | Pg | 10 | 0,20 | 5,0 | 100,0 |
| 18049620 | Pg | 14 | 0,20 | 6,1 | 140,0 |
| 18049621 | Pg | 16 | 0,20 | 5,6 | 160,0 |
| 18049622 | Pg | 20 | 0,20 | 7,4 | 200,0 |
| 18049623 | Pg | 25 | 0,20 | 8,0 | 250,0 |
| 18049624 | Pg | 30 | 0,20 | 8,5 | 300,0 |
| 18049625 | Pg | 35 | 0,20 | 9,0 | 350,0 |
| 18049626 | Pg | 50 | 0,20 | 11,5 | 500,0 |
| 18049627 | Pg | 70 | 0,20 | 14,0 | 700,0 |
| 18049628 | Pg | 75 | 0,20 | 14,0 | 750,0 |
| 18049629 | Pg | 95 | 0,20 | 16,0 | 950,0 |
| 18049630 | Pg | 120 | 0,20 | 19,0 | 1200,0 |
| 18049631 | Pg | 150 | 0,20 | 21,0 | 1500,0 |

| Part no. | Type | Cross-section mm² | Single wire diameter mm | Size mm x mm | Weight kg/km |
|---|---|---|---|---|---|
| 18049816 | Pgk | 1 | 0,15 | 1,5 x 1,5 | 10,0 |
| 18049817 | Pgk | 1,2 | 0,15 | 1,5 x 1,5 | 12,0 |
| 18049818 | Pgk | 1,25 | 0,15 | 1,5 x 1,5 | 12,5 |
| 18049819 | Pgk | 1,3 | 0,15 | 1,5 x 1,5 | 13,0 |
| 18049820 | Pgk | 1,5 | 0,15 | 1,6 x 1,6 | 15,0 |
| 18049821 | Pgk | 1,8 | 0,15 | 2 x 2 | 18,0 |
| 18049822 | Pgk | 2,3 | 0,15 | 2 x 2 | 23,0 |
| 18049823 | Pgk | 2,5 | 0,15 | 2,1 x 2,1 | 25,0 |
| 18049824 | Pgk | 3 | 0,15 | 2,4 x 2,4 | 30,0 |
| 18049825 | Pgk | 3,2 | 0,15 | 2,4 x 2,4 | 32,0 |
| 18049826 | Pgk | 3,3 | 0,15 | 2,4 x 2,4 | 33,0 |
| 18049827 | Pgk | 3,5 | 0,15 | 2,5 x 2,5 | 35,0 |
| 18049828 | Pgk | 4 | 0,15 | 2,6 x 2,6 | 40,0 |
| 18049829 | Pgk | 5 | 0,15 | 3 x 3 | 50,0 |
| 18049830 | Pgk | 6 | 0,15 | 3,2 x 3,2 | 60,0 |
| 18049831 | Pgk | 8 | 0,15 | 3,6 x 3,6 | 80,0 |
| 18051013 | Pgk | 9 | 0,15 | 4,1 x 4,1 | 90,0 |
| 18049833 | Pgk | 10 | 0,15 | 4,5 x 4,5 | 100,0 |
| 18049834 | Pgk | 14 | 0,15 | 5,5 x 5,5 | 140,0 |
| 18049835 | Pgk | 16 | 0,15 | 5 x 5 | 160,0 |
| 18049836 | Pgk | 20 | 0,15 | 6,7 x 6,7 | 200,0 |
| 18049837 | Pgk | 25 | 0,15 | 7,2 x 7,2 | 250,0 |
| 18049838 | Pgk | 6 | 0,20 | 3,2 x 3,2 | 60,0 |
| 18049839 | Pgk | 8 | 0,20 | 3,6 x 3,6 | 80,0 |
| 18049840 | Pgk | 9 | 0,20 | 4,1 x 4,1 | 90,0 |
| 18049841 | Pgk | 10 | 0,20 | 4,5 x 4,5 | 100,0 |
| 18049842 | Pgk | 14 | 0,20 | 5,5 x 5,5 | 140,0 |
| 18049843 | Pgk | 16 | 0,20 | 5 x 5 | 160,0 |
| 18049844 | Pgk | 20 | 0,20 | 6,7 x 6,7 | 200,0 |
| 18049845 | Pgk | 25 | 0,20 | 7,2 x 7,2 | 250,0 |
| 18049898 | Pgkc | 1 | 0,15 | 1,5 x 1,5 | 10,0 |
| 18049899 | Pgkc | 1,2 | 0,15 | 1,5 x 1,5 | 12,0 |
| 18049900 | Pgkc | 1,25 | 0,15 | 1,5 x 1,5 | 12,5 |
| 18049901 | Pgkc | 1,3 | 0,15 | 1,5 x 1,5 | 13,0 |
| 18049902 | Pgkc | 1,5 | 0,15 | 1,6 x 1,6 | 15,0 |
| 18049903 | Pgkc | 1,8 | 0,15 | 2 x 2 | 18,0 |
| 18049904 | Pgkc | 2,3 | 0,15 | 2 x 2 | 23,0 |
| 18049905 | Pgkc | 2,5 | 0,15 | 2,1 x 2,1 | 25,0 |
| 18049906 | Pgkc | 3 | 0,15 | 2,4 x 2,4 | 30,0 |
| 18049907 | Pgkc | 3,2 | 0,15 | 2,4 x 2,4 | 32,0 |
| 18049908 | Pgkc | 3,3 | 0,15 | 2,4 x 2,4 | 33,0 |
| 18049909 | Pgkc | 3,5 | 0,15 | 2,5 x 2,5 | 35,0 |
| 18049910 | Pgkc | 4 | 0,15 | 2,6 x 2,6 | 40,0 |
| 18049911 | Pgkc | 5 | 0,15 | 3 x 3 | 50,0 |
| 18049912 | Pgkc | 6 | 0,15 | 3,2 x 3,2 | 60,0 |
| 18049913 | Pgkc | 8 | 0,15 | 3,6 x 3,6 | 80,0 |

Continuation ▸

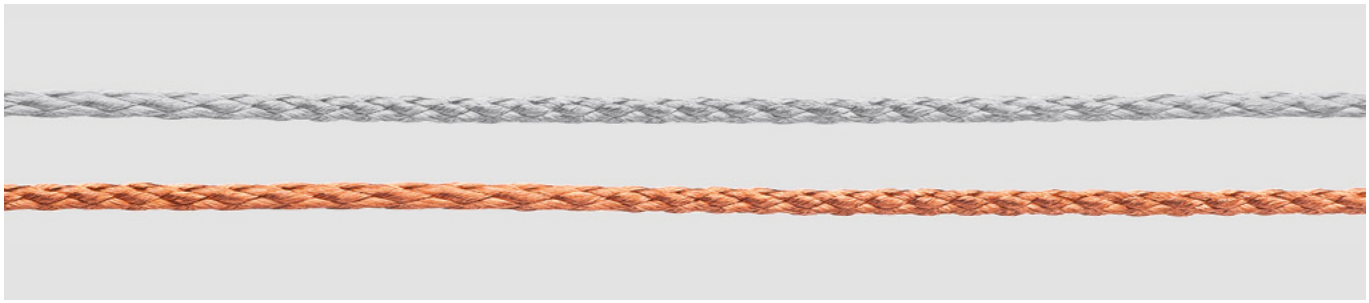
# Flexible Braided Conductor

| Part no. | Type | Cross-section mm² | Single wire diameter mm | Wire diameter mm | Weight kg/km |
|---|---|---|---|---|---|
| 18049692 | Pgc | 1 | 0,15 | 1,7 | 10,0 |
| 18049693 | Pgc | 1,2 | 0,15 | 1,7 | 12,0 |
| 18049694 | Pgc | 1,25 | 0,15 | 1,7 | 12,5 |
| 18049695 | Pgc | 1,3 | 0,15 | 1,7 | 13,0 |
| 18049696 | Pgc | 1,5 | 0,15 | 1,8 | 15,0 |
| 18049697 | Pgc | 1,8 | 0,15 | 2,2 | 18,0 |
| 18049698 | Pgc | 2,3 | 0,15 | 2,2 | 23,0 |
| 18049699 | Pgc | 2,5 | 0,15 | 2,3 | 25,0 |
| 18049700 | Pgc | 3 | 0,15 | 2,7 | 30,0 |
| 18049701 | Pgc | 3,2 | 0,15 | 2,7 | 32,0 |
| 18049702 | Pgc | 3,3 | 0,15 | 2,7 | 33,0 |
| 18049703 | Pgc | 3,5 | 0,15 | 2,8 | 35,0 |
| 18049704 | Pgc | 4 | 0,15 | 2,9 | 40,0 |
| 18049705 | Pgc | 5 | 0,15 | 3,3 | 50,0 |
| 18049706 | Pgc | 6 | 0,15 | 3,5 | 60,0 |
| 18049707 | Pgc | 8 | 0,15 | 4,0 | 80,0 |
| 18049708 | Pgc | 9 | 0,15 | 4,6 | 90,0 |
| 18049709 | Pgc | 10 | 0,15 | 5,0 | 100,0 |
| 18050994 | Pgc | 14 | 0,15 | 6,1 | 140,0 |
| 18049711 | Pgc | 16 | 0,15 | 5,6 | 160,0 |
| 18049712 | Pgc | 20 | 0,15 | 7,4 | 200,0 |
| 18049713 | Pgc | 25 | 0,15 | 8,0 | 250,0 |
| 18049714 | Pgc | 30 | 0,15 | 8,5 | 300,0 |
| 18049715 | Pgc | 35 | 0,15 | 9,0 | 350,0 |
| 18049716 | Pgc | 50 | 0,15 | 11,5 | 500,0 |
| 18049717 | Pgc | 70 | 0,15 | 14,0 | 700,0 |
| 18049718 | Pgc | 75 | 0,15 | 14,0 | 750,0 |
| 18049719 | Pgc | 95 | 0,15 | 16,0 | 950,0 |
| 18049720 | Pgc | 120 | 0,15 | 19,0 | 1200,0 |
| 18049721 | Pgc | 150 | 0,15 | 21,0 | 1500,0 |
| 18049722 | Pgc | 6 | 0,20 | 3,5 | 60,0 |
| 18049723 | Pgc | 8 | 0,20 | 4,0 | 80,0 |
| 18049724 | Pgc | 9 | 0,20 | 4,6 | 90,0 |
| 18049725 | Pgc | 10 | 0,20 | 5,0 | 100,0 |
| 18049726 | Pgc | 14 | 0,20 | 6,1 | 140,0 |
| 18049727 | Pgc | 16 | 0,20 | 5,6 | 160,0 |
| 18049728 | Pgc | 20 | 0,20 | 7,4 | 200,0 |
| 18049729 | Pgc | 25 | 0,20 | 8,0 | 250,0 |
| 18049730 | Pgc | 30 | 0,20 | 8,5 | 300,0 |
| 18049731 | Pgc | 35 | 0,20 | 9,0 | 350,0 |
| 18049732 | Pgc | 50 | 0,20 | 11,5 | 500,0 |
| 18049733 | Pgc | 70 | 0,20 | 14,0 | 700,0 |
| 18049734 | Pgc | 75 | 0,20 | 14,0 | 750,0 |
| 18049735 | Pgc | 95 | 0,20 | 16,0 | 950,0 |
| 18049736 | Pgc | 120 | 0,20 | 19,0 | 1200,0 |
| 18049737 | Pgc | 150 | 0,20 | 21,0 | 1500,0 |

| Part no. | Type | Cross-section mm² | Single wire diameter mm | Size mm x mm | Weight kg/km |
|---|---|---|---|---|---|
| 18049914 | Pgkc | 9 | 0,15 | 4,1 x 4,1 | 90,0 |
| 18049915 | Pgkc | 10 | 0,15 | 4,5 x 4,5 | 100,0 |
| 18049916 | Pgkc | 14 | 0,15 | 5,5 x 5,5 | 140,0 |
| 18049917 | Pgkc | 16 | 0,15 | 5 x 5 | 160,0 |
| 18051014 | Pgkc | 20 | 0,15 | 6,7 x 6,7 | 200,0 |
| 18049919 | Pgkc | 25 | 0,15 | 7,2 x 7,2 | 250,0 |
| 18049920 | Pgkc | 6 | 0,20 | 3,2 x 3,2 | 60,0 |
| 18049921 | Pgkc | 8 | 0,20 | 3,6 x 3,6 | 80,0 |
| 18049922 | Pgkc | 9 | 0,20 | 4,1 x 4,1 | 90,0 |
| 18049923 | Pgkc | 10 | 0,20 | 4,5 x 4,5 | 100,0 |
| 18049924 | Pgkc | 14 | 0,20 | 5,5 x 5,5 | 140,0 |
| 18049925 | Pgkc | 16 | 0,20 | 5 x 5 | 160,0 |
| 18049926 | Pgkc | 20 | 0,20 | 6,7 x 6,7 | 200,0 |
| 18049927 | Pgkc | 25 | 0,20 | 7,2 x 7,2 | 250,0 |

Dimensions and specifications may be changed without prior notice.

# Superflexible Braided Conductor



## Superflexible Braided Conductor

- unique flexibility
- unique durability
- uniform elongation of individual wires

## Application:

- electrotechnical industry
- brushes for electric motors
- residual-current devices
- movable connections of electrical devices working in direct and alternating current circuits

## Material

annealed copper wire, soft:
– bare (Cu)
– tinned (CuSn)

## Technical Data

- single wire diameter: 0,5 to 0,10 mm
- technical specifications are adapted to EN 60228/PN-EN 60228
- conductor is twisted for high flexibility and bending strength

## Note

- silver-coated and nickel-coated conductors are available on request
- **Pgg/Pggc** – superflexible braided round bare/tinned copper conductor
- **Pggk/Pggck** – superflexible braided square bare/tinned copper conductor

| Part no. | Type | Cross-section mm² | Single wire diameter mm | Wire diameter mm | Weight kg/km |
|---|---|---|---|---|---|
| 18049500 | Pgg | 0,25 | 0,05 | 0,7 | 2,5 |
| 18049501 | Pgg | 0,32 | 0,05 | 0,8 | 3,2 |
| 18050997 | Pgg | 0,35 | 0,05 | 0,8 | 3,5 |
| 18049503 | Pgg | 0,47 | 0,05 | 1,0 | 4,7 |
| 18050998 | Pgg | 0,5 | 0,05 | 1,0 | 5,0 |
| 18050999 | Pgg | 0,75 | 0,05 | 1,3 | 7,5 |
| 18051000 | Pgg | 1 | 0,05 | 1,7 | 10,0 |
| 18049507 | Pgg | 1,2 | 0,05 | 1,7 | 12,0 |
| 18049508 | Pgg | 1,25 | 0,05 | 1,7 | 12,5 |
| 18049509 | Pgg | 1,3 | 0,05 | 1,7 | 13,0 |
| 18049510 | Pgg | 1,5 | 0,05 | 1,8 | 15,0 |
| 18049511 | Pgg | 1,8 | 0,05 | 2,2 | 18,0 |
| 18049512 | Pgg | 2,3 | 0,05 | 2,2 | 23,0 |
| 18049513 | Pgg | 2,5 | 0,05 | 2,3 | 25,0 |
| 18049514 | Pgg | 3 | 0,05 | 2,7 | 30,0 |
| 18049515 | Pgg | 3,2 | 0,05 | 2,7 | 32,0 |
| 18049516 | Pgg | 3,3 | 0,05 | 2,7 | 33,0 |
| 18049517 | Pgg | 3,5 | 0,05 | 2,8 | 35,0 |
| 18050990 | Pgg | 4 | 0,05 | 2,9 | 40,0 |
| 18051001 | Pgg | 5 | 0,05 | 3,3 | 50,0 |
| 18049520 | Pgg | 6 | 0,05 | 3,5 | 60,0 |
| 18051002 | Pgg | 8 | 0,05 | 4,0 | 80,0 |
| 18049522 | Pgg | 10 | 0,05 | 5,0 | 100,0 |
| 18049523 | Pgg | 16 | 0,05 | 5,6 | 160,0 |
| 18049524 | Pgg | 20 | 0,05 | 7,4 | 200,0 |
| 18049525 | Pgg | 25 | 0,05 | 8,0 | 250,0 |
| 18049526 | Pgg | 0,25 | 0,07 | 0,7 | 2,5 |
| 18049527 | Pgg | 0,32 | 0,07 | 0,8 | 3,2 |
| 18049528 | Pgg | 0,35 | 0,07 | 0,8 | 3,5 |
| 18049529 | Pgg | 0,47 | 0,07 | 1,0 | 4,7 |
| 18049530 | Pgg | 0,5 | 0,07 | 1,0 | 5,0 |
| 18049531 | Pgg | 0,75 | 0,07 | 1,3 | 7,5 |
| 18049532 | Pgg | 1 | 0,07 | 1,7 | 10,0 |
| 18049533 | Pgg | 1,2 | 0,07 | 1,7 | 12,0 |
| 18049534 | Pgg | 1,25 | 0,07 | 1,7 | 12,5 |
| 18049535 | Pgg | 1,3 | 0,07 | 1,7 | 13,0 |
| 18049536 | Pgg | 1,5 | 0,07 | 1,8 | 15,0 |
| 18049537 | Pgg | 1,8 | 0,07 | 2,2 | 18,0 |
| 18049538 | Pgg | 2,3 | 0,07 | 2,2 | 23,0 |
| 18051003 | Pgg | 2,5 | 0,07 | 2,3 | 25,0 |
| 18049540 | Pgg | 3 | 0,07 | 2,7 | 30,0 |
| 18049541 | Pgg | 3,2 | 0,07 | 2,7 | 32,0 |
| 18049542 | Pgg | 3,3 | 0,07 | 2,7 | 33,0 |
| 18049543 | Pgg | 3,5 | 0,07 | 2,8 | 35,0 |
| 18051004 | Pgg | 4 | 0,07 | 2,9 | 40,0 |
| 18049545 | Pgg | 5 | 0,07 | 3,3 | 50,0 |
| 18049546 | Pgg | 6 | 0,07 | 3,5 | 60,0 |
| 18049547 | Pgg | 8 | 0,07 | 4,0 | 80,0 |
| 18049548 | Pgg | 10 | 0,07 | 5,0 | 100,0 |
| 18049549 | Pgg | 16 | 0,07 | 5,6 | 160,0 |
| 18049550 | Pgg | 20 | 0,07 | 7,4 | 200,0 |
| 18051005 | Pgg | 25 | 0,07 | 8,0 | 250,0 |
| 18049552 | Pgg | 0,25 | 0,10 | 0,7 | 2,5 |
| 18049553 | Pgg | 0,32 | 0,10 | 0,8 | 3,2 |
| 18049554 | Pgg | 0,35 | 0,10 | 0,8 | 3,5 |
| 18049555 | Pgg | 0,47 | 0,10 | 1,0 | 4,7 |

| Part no. | Type | Cross-section mm² | Single wire diameter mm | Size mm x mm | Weight kg/km |
|---|---|---|---|---|---|
| 18049738 | Pggk | 0,25 | 0,05 | 0,6 x 0,6 | 2,5 |
| 18049739 | Pggk | 0,32 | 0,05 | 0,7 x 0,7 | 3,2 |
| 18051016 | Pggk | 0,35 | 0,05 | 0,7 x 0,7 | 3,5 |
| 18049741 | Pggk | 0,47 | 0,05 | 0,9 x 0,9 | 4,7 |
| 18051017 | Pggk | 0,5 | 0,05 | 0,9 x 0,9 | 5,0 |
| 18051018 | Pggk | 0,75 | 0,05 | 1,2 x 1,2 | 7,5 |
| 18051019 | Pggk | 1 | 0,05 | 1,5 x 1,5 | 10,0 |
| 18049745 | Pggk | 1,2 | 0,05 | 1,5 x 1,5 | 12,0 |
| 18049746 | Pggk | 1,25 | 0,05 | 1,5 x 1,5 | 12,5 |
| 18049747 | Pggk | 1,3 | 0,05 | 1,5 x 1,5 | 13,0 |
| 18049748 | Pggk | 1,5 | 0,05 | 1,6 x 1,6 | 15,0 |
| 18049749 | Pggk | 1,8 | 0,05 | 2 x 2 | 18,0 |
| 18051020 | Pggk | 2,3 | 0,05 | 2 x 2 | 23,0 |
| 18049751 | Pggk | 2,5 | 0,05 | 2,1 x 2,1 | 25,0 |
| 18049752 | Pggk | 3 | 0,05 | 2,4 x 2,4 | 30,0 |
| 18049753 | Pggk | 3,2 | 0,05 | 2,4 x 2,4 | 32,0 |
| 18049754 | Pggk | 3,3 | 0,05 | 2,4 x 2,4 | 33,0 |
| 18049755 | Pggk | 3,5 | 0,05 | 2,5 x 2,5 | 35,0 |
| 18049756 | Pggk | 4 | 0,05 | 2,6 x 2,6 | 40,0 |
| 18051021 | Pggk | 5 | 0,05 | 3 x 3 | 50,0 |
| 18049758 | Pggk | 6 | 0,05 | 3,2 x 3,2 | 60,0 |
| 18049759 | Pggk | 8 | 0,05 | 3,6 x 3,6 | 80,0 |
| 18049760 | Pggk | 10 | 0,05 | 4,5 x 4,5 | 100,0 |
| 18049761 | Pggk | 16 | 0,05 | 5 x 5 | 160,0 |
| 18049762 | Pggk | 20 | 0,05 | 6,7 x 6,7 | 200,0 |
| 18049763 | Pggk | 25 | 0,05 | 7,2 x 7,2 | 250,0 |
| 18049764 | Pggk | 0,25 | 0,07 | 0,6 x 0,6 | 2,5 |
| 18049765 | Pggk | 0,32 | 0,07 | 0,7 x 0,7 | 3,2 |
| 18049766 | Pggk | 0,35 | 0,07 | 0,7 x 0,7 | 3,5 |
| 18049767 | Pggk | 0,47 | 0,07 | 0,9 x 0,9 | 4,7 |
| 18049768 | Pggk | 0,5 | 0,07 | 0,9 x 0,9 | 5,0 |
| 18049769 | Pggk | 0,75 | 0,07 | 1,2 x 1,2 | 7,5 |
| 18049770 | Pggk | 1 | 0,07 | 1,5 x 1,5 | 10,0 |
| 18049771 | Pggk | 1,2 | 0,07 | 1,5 x 1,5 | 12,0 |
| 18049772 | Pggk | 1,25 | 0,07 | 1,5 x 1,5 | 12,5 |
| 18049773 | Pggk | 1,3 | 0,07 | 1,5 x 1,5 | 13,0 |
| 18049774 | Pggk | 1,5 | 0,07 | 1,6 x 1,6 | 15,0 |
| 18049775 | Pggk | 1,8 | 0,07 | 2 x 2 | 18,0 |
| 18049776 | Pggk | 2,3 | 0,07 | 2 x 2 | 23,0 |
| 18049777 | Pggk | 2,5 | 0,07 | 2,1 x 2,1 | 25,0 |
| 18049778 | Pggk | 3 | 0,07 | 2,4 x 2,4 | 30,0 |
| 18049779 | Pggk | 3,2 | 0,07 | 2,4 x 2,4 | 32,0 |
| 18049780 | Pggk | 3,3 | 0,07 | 2,4 x 2,4 | 33,0 |
| 18049781 | Pggk | 3,5 | 0,07 | 2,5 x 2,5 | 35,0 |
| 18049782 | Pggk | 4 | 0,07 | 2,6 x 2,6 | 40,0 |
| 18049783 | Pggk | 5 | 0,07 | 3 x 3 | 50,0 |
| 18049784 | Pggk | 6 | 0,07 | 3,2 x 3,2 | 60,0 |
| 18049785 | Pggk | 8 | 0,07 | 3,6 x 3,6 | 80,0 |
| 18049786 | Pggk | 10 | 0,07 | 4,5 x 4,5 | 100,0 |
| 18049787 | Pggk | 16 | 0,07 | 5 x 5 | 160,0 |
| 18049788 | Pggk | 20 | 0,07 | 6,7 x 6,7 | 200,0 |
| 18049789 | Pggk | 25 | 0,07 | 7,2 x 7,2 | 250,0 |
| 18049790 | Pggk | 0,25 | 0,10 | 0,6 x 0,6 | 2,5 |
| 18049791 | Pggk | 0,32 | 0,10 | 0,7 x 0,7 | 3,2 |
| 18049792 | Pggk | 0,35 | 0,10 | 0,7 x 0,7 | 3,5 |
| 18049793 | Pggk | 0,47 | 0,10 | 0,9 x 0,9 | 4,7 |

Continuation ▸

# Superflexible Braided Conductor

| Part no. | Type | Cross-section mm² | Single wire diameter mm | Wire diameter mm | Weight kg/km |
|---|---|---|---|---|---|
| 18051006 | Pgg | 0,5 | 0,10 | 1,0 | 5,0 |
| 18049557 | Pgg | 0,75 | 0,10 | 1,3 | 7,5 |
| 18049558 | Pgg | 1 | 0,10 | 1,7 | 10,0 |
| 18049559 | Pgg | 1,2 | 0,10 | 1,7 | 12,0 |
| 18049560 | Pgg | 1,25 | 0,10 | 1,7 | 12,5 |
| 18049561 | Pgg | 1,3 | 0,10 | 1,7 | 13,0 |
| 18049562 | Pgg | 1,5 | 0,10 | 1,8 | 15,0 |
| 18049563 | Pgg | 1,8 | 0,10 | 2,2 | 18,0 |
| 18049564 | Pgg | 2,3 | 0,10 | 2,2 | 23,0 |
| 18049565 | Pgg | 2,5 | 0,10 | 2,3 | 25,0 |
| 18049566 | Pgg | 3 | 0,10 | 2,7 | 30,0 |
| 18049567 | Pgg | 3,2 | 0,10 | 2,7 | 32,0 |
| 18049568 | Pgg | 3,3 | 0,10 | 2,7 | 33,0 |
| 18049569 | Pgg | 3,5 | 0,10 | 2,8 | 35,0 |
| 18049570 | Pgg | 4 | 0,10 | 2,9 | 40,0 |
| 18049571 | Pgg | 5 | 0,10 | 3,3 | 50,0 |
| 18049572 | Pgg | 6 | 0,10 | 3,5 | 60,0 |
| 18049573 | Pgg | 8 | 0,10 | 4,0 | 80,0 |
| 18049574 | Pgg | 10 | 0,10 | 5,0 | 100,0 |
| 18049575 | Pgg | 16 | 0,10 | 5,6 | 160,0 |
| 18049576 | Pgg | 20 | 0,10 | 7,4 | 200,0 |
| 18051007 | Pgg | 25 | 0,10 | 8,0 | 250,0 |
| 18049578 | Pgg | 30 | 0,10 | 8,5 | 300,0 |
| 18049579 | Pgg | 35 | 0,10 | 9,0 | 350,0 |
| 18049580 | Pgg | 50 | 0,10 | 11,5 | 500,0 |
| 18049581 | Pgg | 70 | 0,10 | 14,0 | 700,0 |
| 18049582 | Pgg | 75 | 0,10 | 14,0 | 750,0 |
| 18049583 | Pgg | 95 | 0,10 | 16,0 | 950,0 |
| 18049584 | Pgg | 120 | 0,10 | 19,0 | 1200,0 |
| 18049585 | Pgg | 150 | 0,10 | 21,0 | 1500,0 |
| 18049632 | Pggc | 0,25 | 0,07 | 0,7 | 2,5 |
| 18049633 | Pggc | 0,32 | 0,07 | 0,8 | 3,2 |
| 18049634 | Pggc | 0,35 | 0,07 | 0,8 | 3,5 |
| 18049635 | Pggc | 0,47 | 0,07 | 1,0 | 4,7 |
| 18049636 | Pggc | 0,5 | 0,07 | 1,0 | 5,0 |
| 18049637 | Pggc | 0,75 | 0,07 | 1,3 | 7,5 |
| 18049638 | Pggc | 1 | 0,07 | 1,7 | 10,0 |
| 18049639 | Pggc | 1,2 | 0,07 | 1,7 | 12,0 |
| 18051008 | Pggc | 1,25 | 0,07 | 1,7 | 12,5 |
| 18049641 | Pggc | 1,3 | 0,07 | 1,7 | 13,0 |
| 18049642 | Pggc | 1,5 | 0,07 | 1,8 | 15,0 |
| 18049643 | Pggc | 1,8 | 0,07 | 2,2 | 18,0 |
| 18049644 | Pggc | 2,3 | 0,07 | 2,2 | 23,0 |
| 18049645 | Pggc | 2,5 | 0,07 | 2,3 | 25,0 |
| 18049646 | Pggc | 3 | 0,07 | 2,7 | 30,0 |
| 18049647 | Pggc | 3,2 | 0,07 | 2,7 | 32,0 |
| 18049648 | Pggc | 3,3 | 0,07 | 2,7 | 33,0 |
| 18049649 | Pggc | 3,5 | 0,07 | 2,8 | 35,0 |
| 18049650 | Pggc | 4 | 0,07 | 2,9 | 40,0 |
| 18049651 | Pggc | 5 | 0,07 | 3,3 | 50,0 |
| 18051009 | Pggc | 6 | 0,07 | 3,5 | 60,0 |
| 18049653 | Pggc | 8 | 0,07 | 4,0 | 80,0 |
| 18049654 | Pggc | 10 | 0,07 | 5,0 | 100,0 |
| 18049655 | Pggc | 16 | 0,07 | 5,6 | 160,0 |
| 18049656 | Pggc | 20 | 0,07 | 7,4 | 200,0 |
| 18049657 | Pggc | 25 | 0,07 | 8,0 | 250,0 |
| 18049658 | Pggc | 0,25 | 0,10 | 0,7 | 2,5 |
| 18049659 | Pggc | 0,32 | 0,10 | 0,8 | 3,2 |
| 18049660 | Pggc | 0,35 | 0,10 | 0,8 | 3,5 |
| 18049661 | Pggc | 0,47 | 0,10 | 1,0 | 4,7 |
| 18049662 | Pggc | 0,5 | 0,10 | 1,0 | 5,0 |
| 18049663 | Pggc | 0,75 | 0,10 | 1,3 | 7,5 |
| 18049664 | Pggc | 1 | 0,10 | 1,7 | 10,0 |
| 18049665 | Pggc | 1,2 | 0,10 | 1,7 | 12,0 |
| 18049666 | Pggc | 1,25 | 0,10 | 1,7 | 12,5 |
| 18049667 | Pggc | 1,3 | 0,10 | 1,7 | 13,0 |
| 18049668 | Pggc | 1,5 | 0,10 | 1,8 | 15,0 |
| 18049669 | Pggc | 1,8 | 0,10 | 2,2 | 18,0 |
| 18049670 | Pggc | 2,3 | 0,10 | 2,2 | 23,0 |
| 18049671 | Pggc | 2,5 | 0,10 | 2,3 | 25,0 |
| 18049672 | Pggc | 3 | 0,10 | 2,7 | 30,0 |
| 18049673 | Pggc | 3,2 | 0,10 | 2,7 | 32,0 |
| 18049674 | Pggc | 3,3 | 0,10 | 2,7 | 33,0 |
| 18049675 | Pggc | 3,5 | 0,10 | 2,8 | 35,0 |
| 18049676 | Pggc | 4 | 0,10 | 2,9 | 40,0 |
| 18049677 | Pggc | 5 | 0,10 | 3,3 | 50,0 |
| 18049678 | Pggc | 6 | 0,10 | 3,5 | 60,0 |
| 18049679 | Pggc | 8 | 0,10 | 4,0 | 80,0 |
| 18049680 | Pggc | 10 | 0,10 | 5,0 | 100,0 |
| 18049681 | Pggc | 16 | 0,10 | 5,6 | 160,0 |
| 18049682 | Pggc | 20 | 0,10 | 7,4 | 200,0 |
| 18049683 | Pggc | 25 | 0,10 | 8,0 | 250,0 |
| 18049684 | Pggc | 30 | 0,10 | 8,5 | 300,0 |
| 18051010 | Pggc | 35 | 0,10 | 9,0 | 350,0 |
| 18051011 | Pggc | 50 | 0,10 | 11,5 | 500,0 |
| 18049687 | Pggc | 70 | 0,10 | 14,0 | 700,0 |
| 18049688 | Pggc | 75 | 0,10 | 14,0 | 750,0 |
| 18051012 | Pggc | 95 | 0,10 | 16,0 | 950,0 |
| 18049690 | Pggc | 120 | 0,10 | 19,0 | 1200,0 |
| 18049691 | Pggc | 150 | 0,10 | 21,0 | 1500,0 |

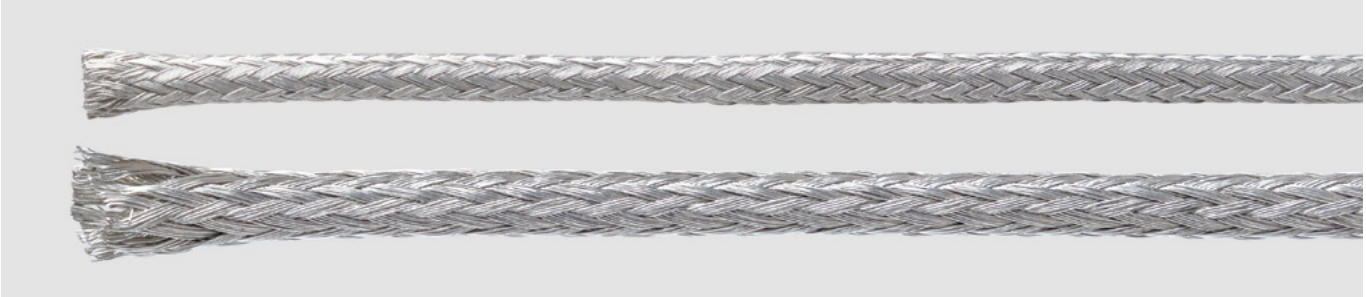
| Part no. | Type | Cross-section mm² | Single wire diameter mm | Size mm x mm | Weight kg/km |
|---|---|---|---|---|---|
| 18049794 | Pggk | 0,5 | 0,10 | 0,9 x 0,9 | 5,0 |
| 18049795 | Pggk | 0,75 | 0,10 | 1,2 x 1,2 | 7,5 |
| 18049796 | Pggk | 1 | 0,10 | 1,5 x 1,5 | 10,0 |
| 18049797 | Pggk | 1,2 | 0,10 | 1,5 x 1,5 | 12,0 |
| 18049798 | Pggk | 1,25 | 0,10 | 1,5 x 1,5 | 12,5 |
| 18049799 | Pggk | 1,3 | 0,10 | 1,5 x 1,5 | 13,0 |
| 18049800 | Pggk | 1,5 | 0,10 | 1,6 x 1,6 | 15,0 |
| 18049801 | Pggk | 1,8 | 0,10 | 2 x 2 | 18,0 |
| 18049802 | Pggk | 2,3 | 0,10 | 2 x 2 | 23,0 |
| 18049803 | Pggk | 2,5 | 0,10 | 2,1 x 2,1 | 25,0 |
| 18049804 | Pggk | 3 | 0,10 | 2,4 x 2,4 | 30,0 |
| 18049805 | Pggk | 3,2 | 0,10 | 2,4 x 2,4 | 32,0 |
| 18049806 | Pggk | 3,3 | 0,10 | 2,4 x 2,4 | 33,0 |
| 18049807 | Pggk | 3,5 | 0,10 | 2,5 x 2,5 | 35,0 |
| 18049808 | Pggk | 4 | 0,10 | 2,6 x 2,6 | 40,0 |
| 18049809 | Pggk | 5 | 0,10 | 3 x 3 | 50,0 |
| 18049810 | Pggk | 6 | 0,10 | 3,2 x 3,2 | 60,0 |
| 18049811 | Pggk | 8 | 0,10 | 3,6 x 3,6 | 80,0 |
| 18049812 | Pggk | 10 | 0,10 | 4,5 x 4,5 | 100,0 |
| 18049813 | Pggk | 16 | 0,10 | 5 x 5 | 160,0 |
| 18049814 | Pggk | 20 | 0,10 | 6,7 x 6,7 | 200,0 |
| 18049815 | Pggk | 25 | 0,10 | 7,2 x 7,2 | 250,0 |
| 18049846 | Pggkc | 0,25 | 0,07 | 0,6 x 0,6 | 2,5 |
| 18049847 | Pggkc | 0,32 | 0,07 | 0,7 x 0,7 | 3,2 |
| 18049848 | Pggkc | 0,35 | 0,07 | 0,7 x 0,7 | 3,5 |
| 18049849 | Pggkc | 0,47 | 0,07 | 0,9 x 0,9 | 4,7 |
| 18049850 | Pggkc | 0,5 | 0,07 | 0,9 x 0,9 | 5,0 |
| 18049851 | Pggkc | 0,75 | 0,07 | 1,2 x 1,2 | 7,5 |
| 18049852 | Pggkc | 1 | 0,07 | 1,5 x 1,5 | 10,0 |
| 18049853 | Pggkc | 1,2 | 0,07 | 1,5 x 1,5 | 12,0 |
| 18051022 | Pggkc | 1,25 | 0,07 | 1,5 x 1,5 | 12,5 |
| 18049855 | Pggkc | 1,3 | 0,07 | 1,5 x 1,5 | 13,0 |
| 18049856 | Pggkc | 1,5 | 0,07 | 1,6 x 1,6 | 15,0 |
| 18049857 | Pggkc | 1,8 | 0,07 | 2 x 2 | 18,0 |
| 18049858 | Pggkc | 2,3 | 0,07 | 2 x 2 | 23,0 |
| 18049859 | Pggkc | 2,5 | 0,07 | 2,1 x 2,1 | 25,0 |
| 18049860 | Pggkc | 3 | 0,07 | 2,4 x 2,4 | 30,0 |
| 18049861 | Pggkc | 3,2 | 0,07 | 2,4 x 2,4 | 32,0 |
| 18049862 | Pggkc | 3,3 | 0,07 | 2,4 x 2,4 | 33,0 |
| 18049863 | Pggkc | 3,5 | 0,07 | 2,5 x 2,5 | 35,0 |
| 18049864 | Pggkc | 4 | 0,07 | 2,6 x 2,6 | 40,0 |
| 18049865 | Pggkc | 5 | 0,07 | 3 x 3 | 50,0 |
| 18049866 | Pggkc | 6 | 0,07 | 3,2 x 3,2 | 60,0 |
| 18049867 | Pggkc | 8 | 0,07 | 3,6 x 3,6 | 80,0 |
| 18049868 | Pggkc | 10 | 0,07 | 4,5 x 4,5 | 100,0 |
| 18049869 | Pggkc | 16 | 0,07 | 5 x 5 | 160,0 |
| 18049870 | Pggkc | 20 | 0,07 | 6,7 x 6,7 | 200,0 |
| 18049871 | Pggkc | 25 | 0,07 | 7,2 x 7,2 | 250,0 |
| 18049872 | Pggkc | 0,25 | 0,10 | 0,6 x 0,6 | 2,5 |
| 18049873 | Pggkc | 0,32 | 0,10 | 0,7 x 0,7 | 3,2 |
| 18049874 | Pggkc | 0,35 | 0,10 | 0,7 x 0,7 | 3,5 |
| 18051023 | Pggkc | 0,47 | 0,10 | 0,9 x 0,9 | 4,7 |
| 18049876 | Pggkc | 0,5 | 0,10 | 0,9 x 0,9 | 5,0 |
| 18049877 | Pggkc | 0,75 | 0,10 | 1,2 x 1,2 | 7,5 |
| 18049878 | Pggkc | 1 | 0,10 | 1,5 x 1,5 | 10,0 |
| 18049879 | Pggkc | 1,2 | 0,10 | 1,5 x 1,5 | 12,0 |
| 18049880 | Pggkc | 1,25 | 0,10 | 1,5 x 1,5 | 12,5 |
| 18049881 | Pggkc | 1,3 | 0,10 | 1,5 x 1,5 | 13,0 |
| 18049882 | Pggkc | 1,5 | 0,10 | 1,6 x 1,6 | 15,0 |
| 18049883 | Pggkc | 1,8 | 0,10 | 2 x 2 | 18,0 |
| 18049884 | Pggkc | 2,3 | 0,10 | 2 x 2 | 23,0 |
| 18049885 | Pggkc | 2,5 | 0,10 | 2,1 x 2,1 | 25,0 |
| 18049886 | Pggkc | 3 | 0,10 | 2,4 x 2,4 | 30,0 |
| 18049887 | Pggkc | 3,2 | 0,10 | 2,4 x 2,4 | 32,0 |
| 18049888 | Pggkc | 3,3 | 0,10 | 2,4 x 2,4 | 33,0 |
| 18049889 | Pggkc | 3,5 | 0,10 | 2,5 x 2,5 | 35,0 |
| 18049890 | Pggkc | 4 | 0,10 | 2,6 x 2,6 | 40,0 |
| 18049891 | Pggkc | 5 | 0,10 | 3 x 3 | 50,0 |
| 18049892 | Pggkc | 6 | 0,10 | 3,2 x 3,2 | 60,0 |
| 18049893 | Pggkc | 8 | 0,10 | 3,6 x 3,6 | 80,0 |
| 18049894 | Pggkc | 10 | 0,10 | 4,5 x 4,5 | 100,0 |
| 18049895 | Pggkc | 16 | 0,10 | 5 x 5 | 160,0 |
| 18049896 | Pggkc | 20 | 0,10 | 6,7 x 6,7 | 200,0 |
| 18049897 | Pggkc | 25 | 0,10 | 7,2 x 7,2 | 250,0 |

Dimensions and specifications may be changed without prior notice.

# tinned copper braided hose

Wire screening, earthing connections
in control cabinets

# Tinned Copper Braided Hose



## Tinned Copper Braided Hose
- optimal expandability
- very good screening effect (EMC)

## Application:
- for wire screening
- earthing connections in control cabinets
- in construction of vehicles and ships
- in railway sector

## Material
annealed tinned copper wire, soft

## Technical Data
- temperature range: -75°C up to + 150°C
- single wire diameter: 0,15 to 0,30 mm
- tube-shaped braid made of tinned copper wires; its expandability and coverage can be set by changing the braiding angle

## Note
- bare copper braided hoses are available on request

| Part no. | Type | Min. inner Ø mm | Max. inner Ø mm | Weight kg/km | Waga kg/km |
|---|---|---|---|---|---|
| 18050831 | PLc | 2 | 4 | 0,15 | 16,1 |
| 18050832 | PLc | 3 | 6 | 0,15 | 24,2 |
| 97397 | PLc | 5 | 12 | 0,25 | 60,0 |
| 18051569 | PLc | 6 | 10 | 0,15 | 32,2 |
| 97399 | PLc | 8 | 17 | 0,25 | 104,0 |
| 18050834 | PLc | 10 | 16 | 0,20 | 57,3 |
| 18050835 | PLc | 12 | 14 | 0,20 | 95,5 |
| 97400 | PLc | 12 | 22 | 0,25 | 98,0 |

| Part no. | Type | Min. inner Ø mm | Max. inner Ø mm | Weight kg/km | Waga kg/km |
|---|---|---|---|---|---|
| 18050836 | PLc | 16 | 24 | 0,30 | 128,9 |
| 97402 | PLc | 16 | 27 | 0,25 | 190,0 |
| 97403 | PLc | 20 | 35 | 0,25 | 204,0 |
| 18050837 | PLc | 24 | 30 | 0,30 | 193,3 |
| 18050838 | PLc | 30 | 40 | 0,30 | 322,2 |
| 18050839 | PLc | 30 | 50 | 0,30 | 483,2 |
| 18050840 | PLc | 40 | 55 | 0,30 | 386,6 |
| 18051567 | PLc | 60 | 75 | 0,30 | 483,2 |

Dimensions and specifications may be changed without prior notice.

# rolled braided strap

In the energy industry for flexible high-current switches

# Rolled Braided Strap

## Rolled Braided Strap
- for flexible connections

## Technical Data
- temperature range: -20°C up to + 125°C
- resistant to cyclic bends

## Material
- annealed copper wire, soft:
  – bare (Cu)
  – tinned (CuSn)

## Application:
- automotive industry
- railway industry
- energy sector, robotics
- movable connections of electrical devices working in direct and alternating current circuits

## Note
- **TP/TPc** - rolled braided strap bare/tinned copper

| Part no. | Type | Cross-section mm² | Single wire diameter mm | Strap size mm | | Weight kg/km | Waga kg/km |
|---|---|---|---|---|---|---|---|
| 18050300 | TP | 4 | 0,07 | 6,8 x 1,1 | 40 | | 40 |
| 18050301 | TP | 6 | 0,1 | 8 x 1,3 | 55 | | 60 |
| 18050302 | TP | 6 | 0,1 | 10 x 1,2 | 55 | | 60 |
| 18050303 | TP | 6 | 0,2 | 9,8 x 1,1 | 55 | | 60 |
| 18050304 | TP | 6 | 0,2 | 10 x 1,2 | 55 | | 60 |
| 18050305 | TP | 10 | 0,1 | 11 x 1,7 | 95 | | 100 |
| 18050306 | TP | 10 | 0,1 | 12 x 1,8 | 95 | | 100 |
| 18050307 | TP | 10 | 0,2 | 11 x 1,7 | 95 | | 100 |
| 18050308 | TP | 10 | 0,2 | 12 x 1,8 | 95 | | 100 |
| 18050309 | TP | 16 | 0,1 | 15 x 2 | 120 | | 160 |
| 18050310 | TP | 16 | 0,1 | 16 x 2 | 120 | | 160 |
| 18050311 | TP | 16 | 0,2 | 15 x 2 | 120 | | 160 |
| 18050312 | TP | 16 | 0,2 | 16 x 2 | 120 | | 160 |
| 18050313 | TP | 17 | 0,2 | 15 x 3 | 125 | | 170 |
| 18050314 | TP | 25 | 0,1 | 15 x 3 | 160 | | 250 |
| 18050315 | TP | 25 | 0,1 | 22 x 2,5 | 160 | | 250 |
| 18050316 | TP | 25 | 0,2 | 20 x 2,5 | 160 | | 250 |
| 18050317 | TP | 25 | 0,2 | 22 x 2,5 | 160 | | 250 |
| 18050318 | TP | 35 | 0,1 | 20 x 3,5 | 195 | | 350 |
| 18050319 | TP | 35 | 0,1 | 30 x 2,5 | 195 | | 350 |
| 18050320 | TP | 35 | 0,2 | 19 x 3,5 | 195 | | 350 |
| 18050321 | TP | 35 | 0,2 | 25 x 3 | 195 | | 350 |
| 18050322 | TP | 50 | 0,1 | 25 x 4 | 250 | | 500 |
| 18050323 | TP | 50 | 0,1 | 30 x 4 | 250 | | 500 |
| 18050324 | TP | 50 | 0,2 | 24 x 4,4 | 250 | | 500 |
| 18050325 | TP | 50 | 0,2 | 33 x 3,2 | 250 | | 500 |
| 18050326 | TP | 70 | 0,1 | 36 x 4 | 300 | | 700 |
| 18050327 | TP | 70 | 0,1 | 45 x 3,5 | 300 | | 700 |
| 18050328 | TP | 70 | 0,2 | 35 x 4,5 | 300 | | 700 |
| 18050329 | TP | 70 | 0,2 | 45 x 3,5 | 300 | | 700 |
| 18050330 | TP | 95 | 0,1 | 45 x 4,5 | 320 | | 950 |
| 18050331 | TP | 95 | 0,2 | 50 x 4 | 320 | | 950 |
| 18050332 | TP | 100 | 0,1 | 55 x 4 | 360 | | 1000 |
| 18050333 | TP | 100 | 0,2 | 55 x 4 | 360 | | 1000 |
| 18050334 | TP | 120 | 0,1 | 60 x 4 | 410 | | 1200 |
| 18050335 | TP | 120 | 0,2 | 60 x 4 | 410 | | 1200 |
| 18050336 | TP | 150 | 0,1 | 65 x 5 | 480 | | 1500 |
| 18050337 | TP | 150 | 0,2 | 65 x 5 | 480 | | 1500 |

| Part no. | Type | Cross-section mm² | Single wire diameter mm | Strap size mm | | Weight kg/km | Waga kg/km |
|---|---|---|---|---|---|---|---|
| 18050252 | TPc | 0,5 | 0,1 | 2 x 0,5 | 10 | | 5 |
| 18050253 | TPc | 1,1 | 0,15 | 3 x 1 | 15 | | 11 |
| 18050254 | TPc | 2,3 | 0,15 | 4,5 x 1 | 30 | | 23 |
| 18050255 | TPc | 3 | 0,15 | 4,5 x 1,3 | 34 | | 30 |
| 18050256 | TPc | 4 | 0,07 | 6,8 x 1,1 | 40 | | 40 |
| 18050257 | TPc | 4,5 | 0,2 | 6,2 x 1,6 | 43 | | 45 |
| 18050258 | TPc | 5 | 0,15 | 6,4 x 1,4 | 48 | | 50 |
| 18050259 | TPc | 6 | 0,1 | 8 x 1,3 | 55 | | 60 |
| 18050260 | TPc | 6 | 0,1 | 10 x 1,2 | 55 | | 60 |
| 18050261 | TPc | 6 | 0,2 | 9,8 x 1,1 | 55 | | 60 |
| 18050262 | TPc | 6 | 0,2 | 10 x 1,2 | 55 | | 60 |
| 18050263 | TPc | 7,5 | 0,2 | 10 x 1,5 | 63 | | 75 |
| 18050264 | TPc | 8,3 | 0,2 | 11 x 1,5 | 90 | | 83 |
| 18050265 | TPc | 10 | 0,1 | 11 x 1,7 | 95 | | 100 |
| 18050266 | TPc | 10 | 0,1 | 12 x 1,8 | 95 | | 100 |
| 18050267 | TPc | 10 | 0,2 | 11 x 1,7 | 95 | | 100 |
| 18050268 | TPc | 10 | 0,2 | 12 x 1,8 | 95 | | 100 |
| 18050269 | TPc | 12 | 0,2 | 12 x 1,8 | 100 | | 120 |
| 18050270 | TPc | 16 | 0,1 | 15 x 2 | 120 | | 160 |
| 18050271 | TPc | 16 | 0,1 | 16 x 2 | 120 | | 160 |
| 18050272 | TPc | 16 | 0,2 | 15 x 2 | 120 | | 160 |
| 18050273 | TPc | 16 | 0,2 | 16 x 2 | 120 | | 160 |
| 18050274 | TPc | 17 | 0,2 | 17 x 2 | 125 | | 170 |
| 18050275 | TPc | 18 | 0,2 | 18 x 1,8 | 135 | | 180 |
| 18050276 | TPc | 25 | 0,1 | 15 x 3 | 160 | | 250 |
| 18050277 | TPc | 25 | 0,1 | 22 x 2,5 | 160 | | 250 |
| 18050278 | TPc | 25 | 0,2 | 20 x 2,5 | 160 | | 250 |
| 18050279 | TPc | 25 | 0,2 | 22 x 2,5 | 160 | | 250 |
| 18050280 | TPc | 35 | 0,1 | 20 x 3,5 | 195 | | 350 |
| 18050281 | TPc | 35 | 0,1 | 30 x 2,5 | 195 | | 350 |
| 18050282 | TPc | 35 | 0,2 | 19 x 3,5 | 195 | | 350 |
| 18050283 | TPc | 35 | 0,2 | 25 x 3 | 195 | | 350 |
| 18050284 | TPc | 50 | 0,1 | 25 x 4 | 250 | | 500 |
| 18050285 | TPc | 50 | 0,1 | 30 x 4 | 250 | | 500 |
| 18050286 | TPc | 50 | 0,2 | 24 x 4,4 | 250 | | 500 |
| 18050287 | TPc | 50 | 0,2 | 33 x 3,2 | 250 | | 500 |
| 18050288 | TPc | 70 | 0,1 | 36 x 4 | 300 | | 700 |
| 18050289 | TPc | 70 | 0,1 | 45 x 3,5 | 300 | | 700 |
| 18050290 | TPc | 70 | 0,2 | 35 x 4,5 | 300 | | 700 |
| 18050291 | TPc | 70 | 0,2 | 45 x 3,5 | 300 | | 700 |
| 18050292 | TPc | 95 | 0,1 | 45 x 4,5 | 320 | | 950 |
| 18050293 | TPc | 95 | 0,2 | 50 x 4 | 320 | | 950 |
| 18050294 | TPc | 100 | 0,1 | 55 x 4 | 360 | | 1000 |
| 18050295 | TPc | 100 | 0,2 | 55 x 4 | 360 | | 1000 |
| 18050296 | TPc | 120 | 0,1 | 60 x 4 | 410 | | 1200 |
| 18050297 | TPc | 120 | 0,2 | 60 x 4 | 410 | | 1200 |
| 18050298 | TPc | 150 | 0,1 | 65 x 5 | 480 | | 1500 |
| 18050299 | TPc | 150 | 0,2 | 65 x 5 | 480 | | 1500 |

Dimensions and specifications may be changed without prior notice.

# tinned copper braided hose

Wire screening, earthing connections in control cabinets

# Earthing Braided Copper Strap

## Earthing Braided Copper Strap

- for EMC applications (interferences elimination)
- rounded contacts

## Technical Data

- temperature range: -20°C up to + 125°C
- single wire diameter: 0,2 mm
- resistant to cyclic bends
- seamlessly pressed contacts

## Material

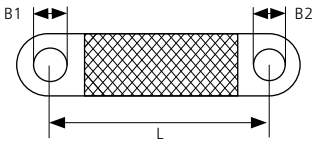
- tinned copper
- tinned copper contacts

## Application:

- automotive industry
- railway industry
- energy sector, robotics
- control cabinets, switchgear rooms and switchgears
- control panel elements
- movable connections of electrical devices working in direct and alternating current circuits

## Note

- earthing braided strips with other lengths, hole diameters and contacts, made of tinned and non-tinned copper 0,1 mm diameter single wire
- packaging as requested




| Part no. | Type | Cross-section mm² | Length L mm | ØB1 mm | ØB2 mm | Unit |
|---|---|---|---|---|---|---|
| 11008412 | HELU-MB-CUv-6-150-4,5/6,5-R | 6 | 150 | 4,5 | 6,5 | 1 |
| 18049226 | HELU-MB-CUv-6-400-6,5/6,5-R | 6 | 400 | 6,5 | 6,5 | 1 |
| 11008411 | HELU-MB-CUv-6-500-6,5/6,5-R | 6 | 500 | 6,5 | 6,5 | 1 |
| 18051580 | HELU-MB-CUv-10-100-6,5/6,5-R | 10 | 100 | 6,5 | 6,5 | 1 |
| 11008421 | HELU-MB-CUv-10-200-6,5/6,5-R | 10 | 200 | 6,5 | 6,5 | 1 |
| 11008422 | HELU-MB-CUv-10-200-8,5/8,5-R | 10 | 200 | 8,5 | 8,5 | 1 |
| 11008423 | HELU-MB-CUv-10-300-6,5/6,5-R | 10 | 300 | 6,5 | 6,5 | 1 |
| 11008424 | HELU-MB-CUv-10-300-8,5/8,5-R | 10 | 300 | 8,5 | 8,5 | 1 |
| 11008425 | HELU-MB-CUv-10-400-8,5/8,5-R | 10 | 400 | 8,5 | 8,5 | 1 |
| 18049207 | HELU-MB-CUv-10-500-6,5/6,5-R | 10 | 500 | 6,5 | 6,5 | 1 |
| 11008442 | HELU-MB-CUv-16-100-8,5/8,5-R | 16 | 100 | 8,5 | 8,5 | 1 |
| 11008443 | HELU-MB-CUv-16-200-6,5/6,5-R | 16 | 200 | 6,5 | 6,5 | 1 |
| 11008445 | HELU-MB-CUv-16-200-6,5/8,5-R | 16 | 200 | 6,5 | 8,5 | 1 |
| 11008378 | HELU-MB-CUv-16-200-8,5/8,5-R | 16 | 200 | 8,5 | 8,5 | 1 |
| 11008446 | HELU-MB-CUv-16-250-6,5/8,5-R | 16 | 250 | 6,5 | 8,5 | 1 |
| 11008444 | HELU-MB-CUv-16-300-6,5/6,5-R | 16 | 300 | 6,5 | 6,5 | 1 |
| 11008447 | HELU-MB-CUv-16-300-6,5/8,5-R | 16 | 300 | 6,5 | 8,5 | 1 |
| 11008379 | HELU-MB-CUv-16-300-8,5/8,5-R | 16 | 300 | 8,5 | 8,5 | 1 |
| 18049232 | HELU-MB-CUv-16-400-6,5/6,5-R | 16 | 400 | 6,5 | 6,5 | 1 |
| 18049233 | HELU-MB-CUv-16-450-6,5/6,5-R | 16 | 450 | 6,5 | 6,5 | 1 |
| 11008441 | HELU-MB-CUv-16-400-8,5/8,5-R | 16 | 400 | 8,5 | 8,5 | 1 |
| 11008448 | HELU-MB-CUv-16-500-8,5/8,5-R | 16 | 500 | 8,5 | 8,5 | 1 |
| 11008449 | HELU-MB-CUv-16-600-8,5/8,5-R | 16 | 600 | 8,5 | 8,5 | 1 |
| 11008450 | HELU-MB-CUv-16-1200-8,5/8,5-R | 16 | 1200 | 8,5 | 8,5 | 1 |
| 18049208 | HELU-MB-Cuv-25-100-8,5/8,5-R | 25 | 100 | 8,5 | 8,5 | 1 |
| 18050349 | HELU-MB-CUv-25-150-8,5/8,5-R | 25 | 150 | 8,5 | 8,5 | 1 |
| 11008461 | HELU-MB-CUv-25-200-8,5/8,5-R | 25 | 200 | 8,5 | 8,5 | 1 |
| 18050351 | HELU-MB-CUv-25-250-8,5/8,5-R | 25 | 250 | 8,5 | 8,5 | 1 |
| 11008462 | HELU-MB-CUv-25-300-8,5/8,5-R | 25 | 300 | 8,5 | 8,5 | 1 |
| 18050352 | HELU-MB-CUv-25-350-8,5/8,5-R | 25 | 350 | 8,5 | 8,5 | 1 |
| 18050353 | HELU-MB-CUv-25-400-8,5/8,5-R | 25 | 400 | 8,5 | 8,5 | 1 |
| 18049209 | HELU-MB-CUv-25-500-8,5/8,5-R | 25 | 500 | 8,5 | 8,5 | 1 |
| 18049210 | HELU-MB-CUv-30-100-10,5/10,5-R | 30 | 100 | 10,5 | 10,5 | 1 |
| 18049211 | HELU-MB-CUv-30-200-10,5/10,5-R | 30 | 200 | 10,5 | 10,5 | 1 |
| 18049212 | HELU-MB-CUv-30-300-10,5/10,5-R | 30 | 300 | 10,5 | 10,5 | 1 |
| 18049213 | HELU-MB-CUv-30-500-10,5/10,5-R | 30 | 500 | 10,5 | 10,5 | 1 |
| 18049214 | HELU-MB-CUv-35-100-10,5/10,5-R | 35 | 100 | 10,5 | 10,5 | 1 |
| 18049215 | HELU-MB-CUv-35-200-10,5/10,5-R | 35 | 200 | 10,5 | 10,5 | 1 |
| 18049216 | HELU-MB-CUv-35-300-10,5/10,5-R | 35 | 300 | 10,5 | 10,5 | 1 |
| 18050354 | HELU-MB-CUv-35-450-6,5/6,5-R | 35 | 450 | 6,5 | 6,5 | 1 |
| 11009170 | HELU-MB-CUv-35-500-8,5/8,5-R | 35 | 500 | 8,5 | 8,5 | 1 |
| 18049217 | HELU-MB-CUv-35-500-10,5/10,5-R | 35 | 500 | 10,5 | 10,5 | 1 |
| 18049218 | HELU-MB-CUv-50-100-10,5/10,5-R | 50 | 100 | 10,5 | 10,5 | 1 |
| 18049219 | HELU-MB-CUv-50-200-10,5/10,5 -R | 50 | 200 | 10,5 | 10,5 | 1 |
| 18049220 | HELU-MB-CUv-50-300-10,5/10,5-R | 50 | 300 | 10,5 | 10,5 | 1 |
| 18049221 | HELU-MB-CUv-50-500-10,5/10,5-R | 50 | 500 | 10,5 | 10,5 | 1 |
| 18049222 | HELU-MB-CUv-70-300-12,5/12,5-R | 70 | 300 | 12,5 | 12,5 | 1 |
| 18049223 | HELU-MB-CUv-70-500-16,5/16,5-R | 70 | 500 | 16,5 | 16,5 | 1 |

Dimensions and specifications may be changed without prior notice.

# Note

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