

Wires

Prices see shop.griederbauteile.ch

| | | | | | | |
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Bare Hook-Up Wire

Material: copper

| Order No | Order No | Ø | Current max | Surface |
|---------------|-----------------|-------|-------------|---------------|
| 10m-Ring | 100m-Reel | | | |
| KAA.03 | KAA.03FR | 0.3mm | 1.5A | tin plated |
| KAA.05 | KAA.05FR | 0.5mm | 2A | silver plated |
| KAA.06 | KAA.06FR | 0.6mm | 2.5A | |
| KAA.08 | KAA.08FR | 0.8mm | 3A | |
| Order No | Order No | Ø | Current max | Surface |
| 5m-Ring | 50m-Spule/Ring | | | |
| KAA.10 | KAA.10FR | 1mm | 4A | silver plated |
| KAA.12 | KAA.12FR | 1.2mm | 6A | |
| KAA.15 | KAA.15FR | 1.5mm | 10A | |
| Order No | Order No | Ø | Current max | Surface |
| 5m-Ring | 20m-Ring | 2mm | 17A | silver plated |



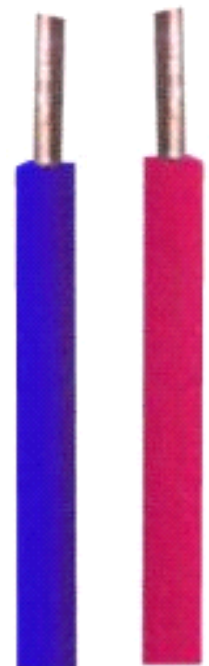
Larger amounts (kg) available on order.



Insulated Hook-Up Wire 0.5mm H05V-U (YV)

Conductor: solid copper wire tin plated
 Insulation: PVC
 Temperature range: -5°C to +70°C
 Voltage: 300V/500V
 RoHS compliant: yes

| Order No | Order No | Inner Ø | Outer Ø | Current | Colour |
|--------------|----------------|---------|---------|---------|--------|
| 10m-Ring | 100m-Rolle | | | | |
| KAR.0 | KAR.0FR | 0.5mm | 1.1mm | 2A | Black |
| KAR.1 | KAR.1FR | | | | Brown |
| KAR.2 | KAR.2FR | | | | Red |
| KAR.3 | KAR.3FR | | | | Orange |
| KAR.4 | KAR.4FR | | | | Yellow |
| KAR.5 | KAR.5FR | | | | Green |
| KAR.6 | KAR.6FR | | | | Blue |
| KAR.7 | KAR.7FR | | | | Purple |
| KAR.8 | KAR.8FR | | | | Grey |
| KAR.9 | KAR.9FR | | | | |



Insulated Hook-Up Wire 0.8mm H05V-U (YV)

Conductor: solid copper wire tin plated
 Insulation: PVC
 Temperature range: -5°C to +70°C
 Voltage: 300V/500V
 RoHS compliant: yes

| Best.Nr. | Best.Nr. | Innen Ø | Aussen Ø | Strom | Farbe |
|---------------|-----------------------------------|---------|----------|-------|--------|
| 10m-Ring | 100m-Rolle | | | | |
| KAS.0 | KAS.0FR | 0.8mm | 1.6mm | 3A | Black |
| KAS.1 | KAS.1FR | | | | Brown |
| KAS.2 | KAS.2FR | | | | Red |
| KAS.3 | KAS.3FR | | | | Orange |
| KAS.4 | KAS.4FR | | | | Yellow |
| KAS.5 | KAS.5FR | | | | Green |
| KAS.6 | KAS.6FR | | | | Blue |
| KAS.7 | KAS.7FR | | | | Purple |
| KAS.8 | KAS.8FR | | | | Grey |
| KAS.9 | KAS.9FR | | | | |
| KAS.S2 | Assortment with 2m of each colour | | | | |



Enamelled Solid Copper Wire → on Reels



| Order No | Order No | Order No | Order No | Order No | Ø bare mm | Ø enamelled mm | mm ² | Resistance Ω/m |
|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------|----------------|-----------------|----------------|
| 200m-Reel | 500m-Reel | 1000m-Reel | 1500m-Reel | 2000m-Reel | | | | |
| KES.004.2 | KES.004.4 | KES.004.5 | KES.004.6 | KES.004.9 | 0.04 | 0.053 | 0.00126 | 14 |
| KES.006.2 | KES.006.4 | KES.006.5 | KES.006.6 | KES.006.9 | 0.06 | 0.075 | 0.00283 | 6.21 |
| KES.008.2 | KES.008.4 | KES.008.5 | KES.008.6 | KES.008.9 | 0.08 | 0.97 | 0.00503 | 3.49 |
| KES.010.2 | KES.010.4 | KES.010.5 | KES.010.6 | KES.010.9 | 0.10 | 0.119 | 0.00785 | 2.23 |
| KES.012.2 | KES.012.4 | KES.012.5 | KES.012.6 | KES.012.9 | 0.12 | 0.141 | 0.01131 | 1.55 |
| Order No | Order No | Order No | Order No | Order No | Ø bare mm | Ø enamelled mm | mm ² | Resistance Ω/m |
| 100m-Reel | 200m-Reel | 350m-Reel | 500m-Reel | 1000m-Reel | | | | |
| KES.015.2 | KES.015.4 | KES.015.5 | KES.015.6 | KES.015.9 | 0.15 | 0.174 | 0.01767 | 0.99 |
| KES.020.2 | KES.020.4 | KES.020.5 | KES.020.6 | KES.020.9 | 0.20 | 0.229 | 0.03142 | 0.56 |
| Order No | Order No | Order No | Order No | Order No | Ø bare mm | Ø enamelled mm | mm ² | Resistance Ω/m |
| 50m-Reel | 100m-Reel | 200m-Reel | 500m-Reel | 750m-Reel | | | | |
| KES.025.2 | KES.025.4 | KES.025.5 | KES.025.6 | KES.025.9 | 0.25 | 0.284 | 0.04909 | 0.357 |
| KES.030.2 | KES.030.4 | KES.030.5 | KES.030.6 | KES.030.9 | 0.30 | 0.339 | 0.07069 | 0.248 |
| Order No | Order No | Order No | Order No | Order No | Ø bare mm | Ø enamelled mm | mm ² | Resistance Ω/m |
| 20m-Reel | 50m-Reel | 100m-Reel | 200m-Reel | 350m-Reel | | | | |
| KES.040.2 | KES.040.4 | KES.040.5 | KES.040.6 | KES.040.9 | 0.40 | 0.446 | 0.1257 | 0.14 |
| KES.050.2 | KES.050.4 | KES.050.5 | KES.050.6 | KES.050.9 | 0.50 | 0.552 | 0.1964 | 0.089 |
| Order No | Order No | Order No | Order No | Order No | Ø bare mm | Ø enamelled mm | mm ² | Resistance Ω/m |
| 10m-Reel | 20m-Reel | 50m-Reel | 100m-Reel | 150m-Reel | | | | |
| KES.060.2 | KES.060.4 | KES.060.5 | KES.060.6 | KES.060.9 | 0.60 | 0.657 | 0.2827 | 0.062 |
| Order No | Order No | Order No | Order No | Order No | Ø bare mm | Ø enamelled mm | mm ² | Resistance Ω/m |
| 10m-Reel | 20m-Reel | 50m-Reel | 75m-Reel | 100m-Reel | | | | |
| KES.080.2 | KES.080.4 | KES.080.5 | KES.080.6 | KES.080.9 | 0.80 | 0.8864 | 0.5027 | 0.0349 |

Enamelled Solid Copper Wire → by the meter

| Order No | Ø bare mm | Ø enamelled mm | mm ² | Resistance Ω/m |
|-------------------------|-----------|----------------|-----------------|----------------|
| KES.120 | 1.2 | 1.31 | 1.131 | 0.0155 |
| KES.150 | 1.5 | 1.62 | 1.767 | 0.0099 |
| KES.200 | 2 | 2.13 | 3.142 | 0.0056 |

The prices per kg are only applicable if a whole factory reel is bought. The prices for copper continues to change.

Resistance Wire

Description: naked, soft, similar to constantan
 Alloy: 54% Cu, 45% Ni, 1% Mn
 Solderability: good (soft or hard soldering)

Specific electrical resistance at 20°C: 0.49Ω (mm²/m)
 Temperature coefficient of resistance (TCR): ±40ppm
 Thermal EMF against copper between 0 to 100°: -42µV/K
 Working temperature max: +600°C



| Order No | Ø | Length | Ω/m | Max Workload in A | | | |
|------------------------|-------|-----------|-------|-------------------|-------|-------|-------|
| | | | | Plugged | | Spool | |
| | | | | 200°C | 400°C | 200°C | 400°C |
| KEK.01 | 0.1mm | 10m-Spule | 62.50 | 0.25 | 0.52 | | |
| KEK.02 | 0.2mm | 10m-Ring | 15.60 | 0.61 | 1.25 | | |
| KEK.03 | 0.3mm | 10m-Ring | 6.93 | 1.57 | 2.64 | 1.10 | 1.85 |
| KEK.05 | 0.5mm | 10m-Ring | 2.50 | 2.14 | 4.33 | 1.46 | 2.52 |
| KEK.06 | 0.6mm | 10m-Ring | 1.74 | 2.75 | 5.65 | 1.90 | 3.24 |
| KEK.08 | 0.8mm | 10m-Ring | 0.98 | 4.06 | 8.22 | 2.86 | 4.79 |
| KEK.10 | 1mm | 5m-Ring | 0.63 | 5.45 | 11.15 | 3.90 | 6.60 |
| KEK.20 | 2mm | 5m-Ring | 0.16 | 16.80 | 28.30 | 11.80 | 19.80 |