

AWG strands
PVC insulation

Copper hook-up strands based on VDE 0881 / DIN 57881 / MIL - W - 76 D
tinned, PVC insulation, AWG conductors, 7 or 19 wires

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Technical information **Weight/reel** **Standard designations**

Conductor cross-section	Number of wires x Wire Ø (mm)	AWG No.	Max. conductor resistance at 20°C/km	Max. operating voltage	Test voltage	Max. current rating at 50°C Ambient temperature	100 m weighs approx.	500 m weighs including reel approx.	Size of standard plastic reel	Standard designation according to VDE 0881	according to MIL-W-76 B
0.14 mm² 7 x 0.16	26	155 Ω	250/1,500 V	3.6 A	220 g	1.2 kg	K 125	LW 0.14/1.0	LWP-C-26 (7) U		
0.22 mm² 7 x 0.20	24	88 Ω	250/1,500 V	5.1 A	290 g	1.7 kg	K 125	LW 0.22/1.1	LWP-C-24 (7) U		
0.34 mm² 7 x 0.25	22	56 Ω	250/1,500 V	7.2 A	450 g	2.65 kg	K 160	LW 0.34/1.3	LWP-C-22 (7) U		
0.56 mm² 7 x 0.32	20	34 Ω	250/1,500 V	9.5 A	630 g	3.55 kg	K 160	LW 0.56/1.5	LWP-C-20 (7) U		
0.93 mm² 7 x 0.50	24	89 Ω	1,000/3,000 V	5.1 A	400 g	2.25 kg	K 160	LW 0.22/1.4	MWP-C-24 (7) U		
0.34 mm² 7 x 0.25	22	56 Ω	1,000/3,000 V	7.2 A	550 g	3.1 kg	K 160	LW 0.34/1.6	MWP-C-22 (7) U		
0.56 mm² 7 x 0.32	20	34 Ω	1,000/3,000 V	9.5 A	750 g	4.15 kg	K 160	LW 0.56/1.8	MWP-C-20 (7) U		
0.93 mm² 19 x 0.25	18	21 Ω	1,000/3,000 V	12.2 A	1.2 kg	6.5 kg	K 200	LW 0.93/2.1	MWP-C-18 (19) U		
1.3 mm² 19 x 0.29	16	16 Ω	1,000/3,000 V	16.8 A	1.5 kg	8.0 kg	K 200	LW 1.3/2.3	MWP-C-16 (19) U		
1.9 mm² 19 x 0.36	14	10 Ω	1,000/3,000 V	30 A	2.15 kg	11.5 kg	K 250	LW 1.9/2.6	MWP-C-14 (19) U		
3.2 mm² 19 x 0.46	12	6 Ω	1,000/3,000 V	42 A	3.26 kg	17.0 kg	K 250	LW 3.2/3.1	MWP-C-12 (19) U		

Temperature range:

Melting -20 ... 80°C
Static down to -55°C

Description of the standard designations:

a) according to VDE
b) International
L = tinned copper strands
Y = PVC insulation
0.14 = conductor cross-section in mm²
/1.0 = outer Ø

Mechanical properties:
Once-only bending radius = 5 x outer Ø
Repeated bending radius = 10 x outer Ø

Major data

Cross-section / AWG No.	Ø of the insulated strands in mm	Insulation wall thickness in mm	Max. operating voltage
0.14 mm² AWG 26	1.0 Ø	0.25	250 V
0.22 mm² AWG 24	1.1 Ø	0.25	250 V
0.34 mm² AWG 22	1.3 Ø	0.25	250 V
0.56 mm² AWG 20	1.5 Ø	0.25	250 V
0.93 mm² AWG 24	1.4 Ø	0.40	1,000 V
0.34 mm² AWG 22	1.6 Ø	0.40	1,000 V
0.56 mm² AWG 20	1.8 Ø	0.40	1,000 V
0.93 mm² AWG 18	2.1 Ø	0.40	1,000 V
1.3 mm² AWG 16	2.3 Ø	0.40	1,000 V
1.9 mm² AWG 14	2.6 Ø	0.40	1,000 V
3.2 mm² AWG 12	3.1 Ø	0.40	1,000 V

Net price Including copper

In EUR per 100 metres on collection (per colour) or	Normal stock unit: 100-m ring	Normal stock unit: 500-m reel upwards	Normal stock unit: 5,000 m upwards	Ordering information (Please also specify the colour)
11.50	7.70	5.75	LWP-C-26	
13.40	8.90	6.70	LWP-C-24	
15.60	10.40	7.80	LWP-C-22	
21.80	14.50	10.90	LWP-C-20	
17.50	11.70	8.75	MWP-C-22	
23.25	15.50	11.60	MWP-C-20	
34.20	22.80	17.10	MWP-C-18	
45.90	30.60	22.95	MWP-C-16	
69.50	46.35	34.80	MWP-C-14	
104.40	69.60	52.20	MWP-C-12	

For orders of 500 m or more, please specify delivery as 500-m reels or 100-m rings.

Our quantity prices are net prices (in the Federal Republic of Germany with extra sales tax) including copper, reels, packaging, delivery free of charge (urgent, express and export deliveries at extra cost).
7 and 19-core copper strands are break-resistant under vibration.

The PVC insulation is acid and alkali resistant, largely oil-resistant, flame-retardant and largely heat and cold elastic. The normal AWG circular twisting of the conductors (1+6=7-wire and 1+6+12=19-wire) results in an even wall thickness of the insulation and thus higher voltage ratings at lower diameters.

The 100-m rings are packed tangle-free in boxes, the 500-m plastic reels correspond approximately to the DIN sizes.

Colours

Usually available ex-stock colours	Na. Colour
11 black	
22 white	
33 grey	
44 red	
55 blue	
60 orange	
66 yellow	
77 green	
88 purple	
99 brown	

Base colour + colour ring *
20 wh + or
21 wh + bk
23 wh + gy
24 wh + rd
25 wh + bu
26 wh + ye
27 wh + gn
28 wh + vt
29 wh + hn

*double colours available ex-stock for:

- LWP-C-26
- MWP-C-24
- MWP-C-22
- MWP-C-20

29.
(2902830410)

49.
(2502830003)