

PRINTABLE SIZE REFERENCE

Wire Ferrule Size & Colour Code Chart

DIN 46228-4 dimensional reference for insulated single-conductor ferrules from 0.5 to 50 mm². AWG values are catalogue references only and are not selection inputs.

Conductor	Collar colour	Common AWG catalogue ref.	d1 inside Ø	d2 collar Ø	Wall s1 / s2	DIN pin lengths l2
0.5 mm ²	 White weiß	AWG 20	1 mm +0.14/0	2.6 mm ±0.2	0.15 / 0.25 mm	6 / 8 / 10 mm
0.75 mm ²	 Grey grau	AWG 18	1.2 mm +0.14/0	2.8 mm ±0.2	0.15 / 0.25 mm	6 / 8 / 10 / 12 mm
1 mm ²	 Red rot	AWG 18	1.4 mm +0.14/0	3 mm ±0.2	0.15 / 0.25 mm	6 / 8 / 10 / 12 mm
1.5 mm ²	 Black schwarz	AWG 16	1.7 mm +0.25/0	3.5 mm ±0.2	0.15 / 0.25 mm	8 / 10 / 12 / 18 mm
2.5 mm ²	 Blue blau	AWG 14	2.2 mm +0.25/0	4.2 mm ±0.2	0.15 / 0.25 mm	8 / 12 / 18 mm
4 mm ²	 Grey grau	AWG 12	2.8 mm +0.25/0	4.8 mm ±0.4	0.2 / 0.3 mm	10 / 12 / 18 mm
6 mm ²	 Yellow gelb	AWG 10	3.5 mm +0.3/0	6.3 mm ±0.4	0.2 / 0.3 mm	12 / 18 mm
10 mm ²	 Red rot	AWG 8	4.5 mm +0.3/0	7.6 mm ±0.4	0.2 / 0.4 mm	12 / 18 mm
16 mm ²	 Blue blau	AWG 6	5.8 mm +0.3/0	8.8 mm ±0.4	0.2 / 0.4 mm	12 / 18 mm
25 mm ²	 Yellow gelb	AWG 4	7.3 mm +0.4/0	11.2 mm ±0.5	0.2 / 0.4 mm	16 / 18 / 22 mm
35 mm ²	 Red rot	AWG 2	8.3 mm +0.4/0	12.7 mm ±0.5	0.2 / 0.4 mm	16 / 18 / 25 mm
50 mm ²	 Blue blau	AWG 1/0	10.3 mm +0.4/0	15 mm ±1	0.3 / 0.5 mm	20 / 25 mm

Colour-use boundary: Read the colour name together with the conductor size. Colours repeat across the range. Displayed swatches are interface aids only; screen and printer output is not a calibrated colour reference.

Source boundary: d1, d2, tolerances, s1, s2 and listed l2 values come from the archived DIN 46228-4 transcription. Common AWG values are catalogue references from the separate mapping source. PDF revision 2026-08-15; data revision 2026-08-13.



TERMNEX CATALOGUE REFERENCE

Pin length to overall length reference

The DIN-listed pin length I2 is matched to a Termnex catalogue overall length L only when conductor size and pin length both agree. The orange L and model columns contain Termnex catalogue references, not DIN dimensions.

Size / Termnex AWG	DIN I2 (mm)	Termnex L (mm)	Termnex model
0.5 mm ² AWG 22	6	12	HE0506
	8	14	HE0508
	10	16	HE0510
0.75 mm ² AWG 20	6	12.3	HE7506
	8	14.3	HE7508
	10	16.3	HE7510
	12	18.3	HE7512
1 mm ² AWG 18	6	12.3	HE1006
	8	14.5	HE1008
	10	16.3	HE1010
	12	18.3	HE1012
1.5 mm ² AWG 16	8	14.5	HE1508
	10	16.5	HE1510
	12	18.5	HE1512
	18	24.5	HE1518
2.5 mm ² AWG 14	8	15.4	HE2508
	12	19.4	HE2512
	18	25.4	HE2518
4 mm ² AWG 12	10	17.4	HE4010
	12	19.4	HE4012
	18	25.4	HE4018

Size / Termnex AWG	DIN I2 (mm)	Termnex L (mm)	Termnex model
6 mm ² AWG 10	12	20.5	HE6012
	18	26.5	HE6018
10 mm ² AWG 8	12	20.8	HE10-12
	18	26.8	HE10-18
16 mm ² AWG 6	12	22	HE16-12
	18	28	HE16-18
25 mm ² AWG 4	16	28	HE25-16
	18	30	HE25-18
	22	34	HE25-22
35 mm ² AWG 2	16	30	HE35-16
	18	32	HE35-18
	25	39	HE35-25
50 mm ² AWG 1/0	20	36	HE50-20
	25	41	HE50-25

How to use this page: Select by the conductor's marked mm² size, then choose the required DIN-listed pin length. Use the corresponding Termnex L and model only as catalogue references. Confirm terminal-entry depth and the exact model before ordering.

Reference boundary: DIN dimensions are separated from Termnex catalogue references throughout this page. For the searchable chart, source notes and updates, visit <https://termnex.com/wire-ferrule-size-chart/>

