

# TABELLE / TABLES

## Tabella di conversione AWG/Metric AWG/Metric conversion chart

American Wire Gauge (AWG)	formazione / formation [n × AWG]	formazione / formation [n × Ø]	sezione / cross section [mm <sup>2</sup> ]	Ø esterno / outer Ø [mm]	resistenza / resistance [Ω/km]	peso / weight [kg/km]
40	solido / solid	1x0,080	0,0048	0,080	3430,0	0,045
38	solido / solid	1x0,100	0,008	0,100	2195,0	0,070
36	solido / solid	1x0,127	0,013	0,127	1460,0	0,116
36	cordina / strand (7/44)	7x0,05	0,014	0,152	1271,0	0,125
34	solido / solid	1x0,160	0,020	0,160	918,0	0,178
34	cordina / strand (7/42)	7x0,05	0,022	0,192	777,0	0,196
32	solido / solid	1x0,203	0,032	0,203	571,0	0,284
32	cordina / strand (7/40)	7x0,078	0,034	0,203	538,0	0,302
32	cordina / strand (19/44)	19x0,05	0,037	0,229	448,0	0,329
30	solido / solid	1x0,254	0,051	0,254	365,0	0,45
30	cordina / strand (7/38)	7x0,102	0,057	0,305	339,0	0,507
30	cordina / strand (19/42)	19x0,064	0,061	0,305	286,7	0,543
28	solido / solid	1x0,330	0,080	0,330	232,0	0,71
28	cordina / strand (7/36)	7x0,127	0,087	0,381	213,0	0,774
28	cordina / strand (19/40)	19x0,078	0,091	0,406	186,0	0,81
27	cordina / strand (7/35)	7x0,142	0,111	0,457	179,0	0,988
26	solido / solid	1x0,409	0,128	0,409	143,0	1,14
26	cordina / strand (10/36)	10x0,127	0,127	0,533	137,0	1,13
26	cordina / strand (19/38)	19x0,102	0,155	0,508	113,0	1,38
26	cordina / strand (7/34)	7x0,160	0,141	0,483	122,0	1,25
24	solido / solid	1x0,511	0,205	0,511	89,4	1,82
24	cordina / strand (7/32)	7x0,203	0,227	0,610	76,4	2,02
24	cordina / strand (10/34)	10x0,160	0,201	0,582	85,6	1,79
24	cordina / strand (19/36)	19x0,127	0,241	0,610	69,2	2,14
24	cordina / strand (41/40)	41x0,078	0,196	0,582	84,0	1,74
23	solido / solid	1x0,574	0,258	0,574	69,3	2,30
22	solido / solid	1x0,643	0,324	0,643	55,3	2,88
22	cordina / strand (7/30)	7x0,254	0,355	0,762	48,4	3,16
22	cordina / strand (19/34)	19x0,160	0,382	0,787	45,1	3,4
22	cordina / strand (26/36)	26x0,127	0,330	0,762	52,3	2,94
20	solido / solid	1x0,813	0,519	0,813	34,6	4,61
20	cordina / strand (7/28)	7x0,320	0,562	0,965	33,8	5,0
20	cordina / strand (10/30)	10x0,254	0,507	0,889	33,9	4,51
20	cordina / strand (19/32)	19x0,203	0,615	0,940	28,3	5,47
20	cordina / strand (26/34)	26x0,160	0,523	0,914	33,0	4,65
20	cordina / strand (41/36)	41x0,127	0,520	0,914	32,9	4,63
18	solido / solid	1x1,020	0,823	1,020	21,8	7,32
18	cordina / strand (7/26)	7x0,404	0,897	1,219	19,2	7,98
18	cordina / strand (16/30)	16x0,254	0,811	1,194	21,3	7,22
18	cordina / strand (19/30)	19x0,254	0,963	1,245	17,9	8,57
18	cordina / strand (41/34)	41x0,160	0,824	1,194	20,9	7,33
18	cordina / strand (65/36)	65x0,127	0,823	1,194	21,0	7,32
16	solido / solid	1x1,290	1,310	1,290	13,7	11,66
16	cordina / strand (7/24)	7x0,511	1,440	1,524	12,0	12,81
16	cordina / strand (65/34)	65x0,160	1,310	1,499	13,2	11,65
16	cordina / strand (26/30)	26x0,254	1,317	1,499	13,1	11,72
16	cordina / strand (19/29)	19x0,287	1,229	1,473	14,0	10,94
16	cordina / strand (105/36)	105x0,127	1,330	1,499	13,1	11,84
15	cordina / strand (19/28)	19x0,33	1,433	1,650	12,4	15,10
14	solido / solid	1x1,630	2,080	1,630	8,6	18,51
14	cordina / strand (7/22)	7x0,643	2,238	1,854	7,6	19,92
14	cordina / strand (19/27)	19x0,361	1,945	1,854	8,9	17,31
14	cordina / strand (41/30)	41x0,254	2,078	1,854	8,3	18,49
14	cordina / strand (105/34)	105x0,160	2,111	1,854	8,2	18,79
12	solido / solid	1x2,050	3,341	2,050	5,4	29,46
12	cordina / strand (7/20)	7x0,813	3,63	2,438	4,8	32,30
12	cordina / strand (19/25)	19x0,455	3,09	2,369	5,6	27,50
12	cordina / strand (65/30)	65x0,254	3,292	2,413	5,7	29,29

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American Wire Gauge (AWG)	formazione / formation [n × AWG]	formazione / formation [n × Ø]	sezione / cross section [mm <sup>2</sup> ]	Ø esterno / outer Ø [mm]	resistenza / resistance [Ω/km]	peso / weight [kg/km]
12	cordina / strand (165/34)	165x0,160	3,316	2,413	5,2	29,51
10	solido / solid	1x2,590	5,26	2,590	3,4	46,81
10	cordina / strand (37/26)	37x0,404	4,74	2,920	3,6	42,18
10	cordina / strand (49/27)	49x0,363	5,068	2,946	3,6	45,10
10	cordina / strand (105/30)	105x0,254	5,317	2,946	3,2	47,32
8	cordina / strand (49/25)	49x0,455	7,963	3,734	2,2	70,87
8	cordina / strand (133/29)	133x0,287	8,604	3,734	2,0	76,57
8	cordina / strand (655/36)	655x0,127	8,297	3,734	2,0	73,84
6	cordina / strand (133/27)	133x0,363	13,764	4,674	1,5	122,49
6	cordina / strand (259/30)	259x0,254	13,123	4,674	1,3	116,79
6	cordina / strand (1050/36)	655x0,127	13,316	4,674	1,3	118,51

## Identificazione colori delle anime / Core color identification Standard DIN 47100

### Cavi multipolari / multicore cables

1	bianco / white	9	nero / black	17	bianco/grigio / white/gray	25	bianco/nero / white/black	33	verde/rosso / green/red
2	marrone / brown	10	lilla / lilac	18	grigio/marrone / gray/brown	26	marrone/nero / brown/black	34	giallo/rosso / yellow/red
3	verde / green	11	grigio/rosa / gray/pink	19	bianco/rosa / white/pink	27	grigio/verde / gray/green	35	verde/nero / green/black
4	giallo / yellow	12	rosso/blu / red/blue	20	rosa/marrone / pink/brown	28	giallo/grigio / yellow/gray	36	giallo/nero / yellow/black
5	grigio / gray	13	bianco/verde / white/green	21	bianco/blu / white/blue	29	rosa/verde / pink/green	37	grigio/blu / gray/blue
6	rosa / pink	14	marrone/verde / brown/green	22	marrone/blu / brown/blue	30	giallo/rosa / yellow/pink	38	rosa/blu / pink/blue
7	blu / blue	15	bianco/giallo / white/yellow	23	bianco/rosso / white/red	31	verde/blu / green/blue	39	grigio/rosso / gray/red
8	rosso / red	16	giallo/marrone / yellow/brown	24	marrone/rosso / brown/red	32	giallo/blu / yellow/blue	40	rosa/rosso / pink/red

### Cavi multicoppia / multipair cables

coppia / pair	anima isolata / insulated core "A"	anima isolata / insulated core "B"	coppia / pair	anima isolata / insulated core "A"	anima isolata / insulated core "B"
1-23	bianco / white	marrone / brown	12-34	bianco/rosso / white/red	marrone/rosso / brown/red
2-24	verde / green	giallo / yellow	13-35	bianco/nero / white/black	marrone/nero / brown/black
3-25	grigio / gray	rosa / pink	14-36	grigio/verde / gray/green	giallo/grigio / yellow/gray
4-26	blu / blue	rosso / red	15-37	rosa/verde / pink/green	giallo/rosa / yellow/pink
5-27	nero / black	viola / purple	16-38	verde/blu / green/blue	giallo/blu / yellow/blue
6-28	grigio/rosa / gray/pink	rosso/blu / red/blue	17-39	verde/rosso / green/red	giallo/rosso / yellow/red
7-29	bianco/verde / white/green	marrone/verde / brown/green	18-40	verde/nero / green/black	giallo/nero / yellow/black
8-30	bianco/giallo / white/yellow	giallo/marrone / yellow/brown	19-41	grigio/blu / gray/blue	rosa/blu / pink/blue
9-31	bianco/grigio / white/gray	grigio/marrone / gray/brown	20-42	grigio/rosso / gray/red	rosa/rosso / pink/red
10-32	bianco/rosa / white/pink	rosa/marrone / pink/brown	21-43	grigio/nero / gray/black	rosa/nero / pink/black
11-33	bianco/blu / white/blue	marrone/blu / brown/blue	22-44	blu/nero / blue/black	rosso/nero / red/black