product catalogue
wires

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structure

foreword

The following information is meant as a guideline for you.

Of course, our flexibility also allows us to produce according to your individual requirements.

We are looking forward to your request.

materials

bare copper		
copper wire	Cu-ETP1 ETP	(acc. to DIN EN 13602) (acc. to ASTM B 3)
material	CW003A C11040	(acc. to DIN EN 13602) (UNS number)
conductivity	min. 58,5 m/s	
density	8,925 kg/dm^3	
bare oxigen-free copper		
copper wire	Cu-OF1 OFE	(acc. to DIN EN 13602) (acc. to ASTM B 3)
material	CW007A C10100	(acc. to DIN EN 13602) (UNS number)
conductivity	min. 58,5 m/s	
density	8,925 kg/dm^3	
tin-plated copper		
copper wire	Cu-ETP1 ETP	(acc. to DIN EN 13602) (acc. to ASTM B 3)
material	CW003A C 11040	(acc. to DIN EN 13602) (UNS number)
tin	SN 99,90	(acc. to DIN 1704)
coating thickness	acc. to DIN EN 13602	or acc. to customer requirement
conductivity	min. 58,5 m/s	
density	8,925 kg/dm^3	

reels

reel-type	DIN / norm	flange-Ø in mm	core-Ø in mm	mount-Ø in mm	filling weight in kg (appr.)
plastic-reels					
100 K 125 K 160 K 200 K 250 K	46399 46399 46399 46399 46399	100 125 160 200 250	63 80 100 80 160	16 16 22 22/36 22/127	1,6 3,5 7,5 14 18-20
aluminum-reels					
250 A	46397	250	150	127	20-25
iron-reels					
355 E 560 E 630 E	46397 46397 46397	355 560 630	224 315 355	127 127 127	60 265 380

products

wires according to DIN EN 13602

wire Ø	cross section	bare wires		tin-plated wires	
		electric resistance	elongation	electric resistance	elongation
0,05 mm	0,002 mm²	8703,866 Ω/km	10%	8780,260 Ω/km	7%
0,07 mm	0,004 mm²	4440,748 Ω/km		4479,724 Ω/km	
0,10 mm	0,008 mm²	2175,966 Ω/km	15%	2195,065 Ω/km	13%
0,12 mm	0,011 mm²	1511,088 Ω/km		1524,351 Ω/km	
0,14 mm	0,015 mm²	1110,187 Ω/km		1119,931 Ω/km	
0,15 mm	0,018 mm²	967,096 Ω/km		975,584 Ω/km	
0,16 mm	0,020 mm²	849,987 Ω/km		857,447 Ω/km	
0,18 mm	0,025 mm²	671,595 Ω/km	21%	677,489 Ω/km	19%
0,20 mm	0,031 mm²	543,992 Ω/km		548,766 Ω/km	
0,22 mm	0,038 mm²	449,580 Ω/km		453,526 Ω/km	
0,23 mm	0,042 mm²	411,336 Ω/km		414,946 Ω/km	
0,25 mm	0,049 mm²	348,155 Ω/km		351,210 Ω/km	
0,26 mm	0,053 mm²	321,889 Ω/km		324,714 Ω/km	
0,28 mm	0,062 mm²	277,547 Ω/km		279,983 Ω/km	
0,30 mm	0,071 mm²	241,774 Ω/km		243,895 Ω/km	
0,35 mm	0,096 mm²	177,630 Ω/km	22%	179,189 Ω/km	20%
0,40 mm	0,126 mm²	135,998 Ω/km		137,192 Ω/km	
0,50 mm	0,196 mm²	87,039 Ω/km		87,803 Ω/km	
0,60 mm	0,283 mm²	60,444 Ω/km	24%	60,974 Ω/km	22%
0,80 mm	0,503 mm²	33,999 Ω/km		34,298 Ω/km	
1,00 mm	0,785 mm²	21,760 Ω/km		21,951 Ω/km	
1,20 mm	1,131 mm²	15,111 Ω/km	26%	15,244 Ω/km	24%
1,40 mm	1,539 mm²	11,102 Ω/km		11,199 Ω/km	
1,60 mm	2,011 mm²	8,500 Ω/km	28%	8,574 Ω/km	26%
2,50 mm	4,909 mm²	3,482 Ω/km		3,512 Ω/km	

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