



Kupfer-Ader-Endhülsen ohne Isolation

DIN 46228 Teil 1, ausgenommen*

Embouts de fil en cuivre sans isolation

DIN 46228 partie 1, *excepté

Uninsulated copper end-sleeves

DIN 46228 part 1, *excepted

Werkstoff:
E-CU = Elektrolytkupfer

Matière:
E-CU = cuivre électrolytique

Material:
E-CU = electrolytic copper

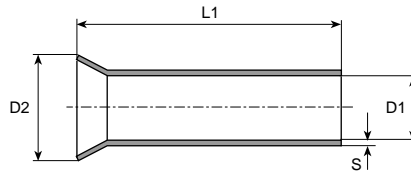
Oberflächenbehandlung: Code
 bl = blank (0)
 ag = versilbert (1)
 sn = verzinkt (7)

Traitements de surface: Code
 bl = brut (0)
 ag = argenté (1)
 sn = étamé (7)

Surface-plating: Code
 bl = clean (0)
 ag = silver-plated (1)
 sn = tin-plated (7)

Bestellbeispiel
Exemple de commande:
Example of order:

440005.47
 (4400/05 CU sn)



mm ² (AWG)	Artikel-Nr. Numéro d'article Part-No.	DIN 46 228/1	øD1 mm	øD2 mm	L1 mm	S mm	Stand.- Packg.	Werkzeuge Outils Tools
0.1-0.3 (26-22)	440005.4()	*	0.8	1.7	5	0.15	5000	3984H/3997
	440007.4()	*	0.8	1.7	7	0.15	5000	4517 / 4529
0.5 (22)	440106.4()	0.5-6	1	2.1	6	0.15	5000	3984H/3997
	440108.4()	*	1	2.1	8	0.15	5000	4518 / 4527
	440110.4()	0.5-10	1	2.1	10	0.15	5000	4529 / 4530
	440112.4()	*	1	2.1	12	0.15	5000	4531 / 4536
0.75 (20)	440206.4()	0.75-6	1.2	2.3	6	0.15	5000	3984H/3997 4518 / 4520 4521 / 4523 4524 / 4525 4527 / 4528 4529 / 4530 4531 / 4534 4536
	440208.4()	*	1.2	2.3	8	0.15	5000	
	440210.4()	0.75-10	1.2	2.3	10	0.15	5000	
	440212.4()	*	1.2	2.3	12	0.15	5000	
	440220.4()	*	1.2	2.3	20	0.15	2000	
1 (18)	440306.4()	1-6	1.4	2.5	6	0.15	5000	3984H/3997 4518 / 4519 4520 / 4521 4523 / 4524 4525 / 4527 4528 / 4529 4530 / 4531 4534 / 4536
	440308.4()	*	1.4	2.5	8	0.15	5000	
	440310.4()	1-10	1.4	2.5	10	0.15	5000	
	440312.4()	*	1.4	2.5	12	0.15	5000	
	440320.4()	*	1.4	2.5	20	0.15	2000	
1.5 (16)	440406.4()	*	1.7	2.8	6	0.15	5000	3984H/3997 4518 / 4519 4520 / 4521 4523 / 4524 4525 / 4527 4528 / 4529 4530 / 4531 4534 / 4536
	440407.4()	1.5-7	1.7	2.8	7	0.15	5000	
	440408.4()	*	1.7	2.8	8	0.15	5000	
	440410.4()	1.5-10	1.7	2.8	10	0.15	5000	
	440412.4()	1.5-12	1.7	2.8	12	0.15	5000	
	440415.4()	*	1.7	2.8	15	0.15	5000	
	440418.4()	1.5-18	1.7	2.8	18	0.15	5000	
	440420.4()	*	1.7	2.8	20	0.15	2000	
2.5 (14)	440506.4()	*	2.2	3.4	6	0.15	5000	3984H/3997 4518 / 4519 4520 / 4521 4523 / 4524 4525 / 4527 4528 / 4529 4530 / 4531 4534 / 4536
	440507.4()	2.5-7	2.2	3.4	7	0.15	5000	
	440508.4()	*	2.2	3.4	8	0.15	5000	
	440510.4()	2.5-10	2.2	3.4	10	0.15	2000	
	440512.4()	2.5-12	2.2	3.4	12	0.15	2000	
	440515.4()	*	2.2	3.4	15	0.15	2000	
	440518.4()	2.5-18	2.2	3.4	18	0.15	2000	
	440520.4()	*	2.2	3.4	20	0.15	2000	
4 (12)	440608.4()	*	2.8	4	8	0.2	2000	3984H/3997 4519 / 4520 4521 / 4523 4524 / 4525 4528 / 4529 4531 / 4534 4536
	440609.4()	4-9	2.8	4	9	0.2	2000	
	440610.4()	*	2.8	4	10	0.2	2000	
	440612.4()	4-12	2.8	4	12	0.2	2000	
	440615.4()	4-15	2.8	4	15	0.2	2000	
	440618.4()	4-18	2.8	4	18	0.2	2000	
	440620.4()	*	2.8	4	20	0.2	1000	
	440630.4()	*	2.8	4	30	0.2	1000	

mm ² (AWG)	Artikel-Nr. Numéro d'article Part-No.	DIN 46 228/1	øD1 mm	øD2 mm	L1 mm	S mm	Stand.- Packg.	Werkzeuge Outils Tools
6 (10)	440710.4()	6-10	3.5	4.7	10	0.2	1000	3984J/3997 4519 / 4520 4521 / 4523 4526 / 4528 4529 / 4531 4534 / 4536
	440712.4()	6-12	3.5	4.7	12	0.2	1000	
	440715.4()	6-15	3.5	4.7	15	0.2	1000	
	440718.4()	6-18	3.5	4.7	18	0.2	1000	
	440720.4()	*	3.5	4.7	20	0.2	1000	
	440725.4()	*	3.5	4.7	25	0.2	1000	
	440730.4()	*	3.5	4.7	30	0.2	1000	
10 (8)	440812.4()	10-12	4.5	5.8	12	0.2	1000	3984J/3997 4520 / 4521 4522 / 4526 4532
	440815.4()	10-15	4.5	5.8	15	0.2	1000	
	440818.4()	10-18	4.5	5.8	18	0.2	1000	
	440820.4()	*	4.5	5.8	20	0.2	1000	
	440825.4()	*	4.5	5.8	25	0.2	1000	
16 (6)	440912.4()	16-12	5.8	7.5	12	0.2	1000	3984J/3997 4520 / 4522 4526 / 4532
	440915.4()	16-15	5.8	7.5	15	0.2	1000	
	440918.4()	16-18	5.8	7.5	18	0.2	1000	
	440920.4()	*	5.8	7.5	20	0.2	1000	
	440925.4()	16-25	5.8	7.5	25	0.2	1000	
	440930.4()	*	5.8	7.5	30	0.2	1000	
	440932.4()	16-32	5.8	7.5	32	0.2	1000	
25 (4)	441012.4()	*	7.3	9.5	12	0.2	1000	4522 / 4532 4533 / 4538 4539
	441015.4()	25-15	7.3	9.5	15	0.2	1000	
	441018.4()	25-18	7.3	9.5	18	0.2	1000	
	441020.4()	*	7.3	9.5	20	0.2	1000	
	441025.4()	25-25	7.3	9.5	25	0.2	1000	
	441028.4()	*	7.3	9.5	28	0.2	1000	
35 (2)	441112.4()	*	8.3	11	12	0.2	500	4522 / 4533 4538
	441115.4()	*	8.3	11	15	0.2	500	
	441118.4()	35-18	8.3	11	18	0.2	500	
	441120.4()	*	8.3	11	20	0.2	500	
	441125.4()	35-25	8.3	11	25	0.2	500	
	441130.4()	*	8.3	11	30	0.2	500	
	441132.4()	35-32	8.3	11	32	0.2	500	
50 (1)	441218.4()	50-18	10.3	13	18	0.3	500	4533 / 4539
	441220.4()	*	10.3	13	20	0.3	500	
	441222.4()	*	10.3	13	22	0.3	500	
	441225.4()	50-25	10.3	13	25	0.3	500	
	441230.4()	*	10.3	13	30	0.3	500	
70 (2/0)	441322.4()	*	12.5	15	22	0.4	100	4537
	441325.4()	*	12.5	15	25	0.4	100	
	441332.4()	*	12.5	15	32	0.4	100	
95 (3/0)	441425.4()	*	14.5	17	25	0.4	100	
	441432.4()	*	14.5	17	32	0.4	100	



Messing-Ader-Endhülsen ohne Isolation

Embouts de fil en laiton sans isolation

Uninsulated brass end-sleeves

Werkstoff:
MS = Messing

Matière:
MS = laiton

Material:
MS = brass

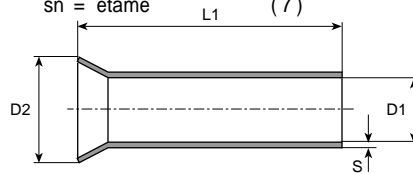
Oberflächenbehandlung: Code
 bl = blank (0)
 ag = versilbert (1)
 ni = vernickelt (5)
 sn = verzinkt (7)

Traitements de surface: Code
 bl = brut (0)
 ag = argenté (1)
 ni = nickelé (5)
 sn = étamé (7)

Surface-plating: Code
 bl = clean (0)
 ag = silver-plated (1)
 ni = nickel-plated (5)
 sn = tin-plated (7)

Bestellbeispiel
Exemple de commande:
Example of order:

450006.67
 (4500/06 MS sn)



mm ² (AWG)	Artikel-Nr. Numéro d'article Part-No.	øD1 mm	øD2 mm	L1 mm	S mm	Stand- Packg.	Werkzeuge Outils Tools
0.1-0.3 (26-22)	450006.6()	0.8	1.8	6	0.2	5000	3984H/3997 4517 / 4529
	450008.6()	0.8	1.8	8	0.2	5000	
	450012.6()	0.8	1.8	12	0.2	5000	
0.5 (22)	450104.6()	1.1	2.2	4	0.2	5000	3984H/3997 4518 / 4527 4529 / 4530 4531 / 4536
	450106.6()	1.1	2.2	6	0.2	5000	
	450107.6()	1.1	2.2	7	0.2	5000	
	450108.6()	1.1	2.2	8	0.2	5000	
	450110.6()	1.1	2.2	10	0.2	5000	
	450112.6()	1.1	2.2	12	0.2	5000	
	450115.6()	1.1	2.2	15	0.2	5000	
	450118.6()	1.1	2.2	18	0.2	5000	
0.75 (20)	450206.6()	1.3	2.5	6	0.2	5000	3984H/3997 4518 / 4520 4521 / 4523 4524 / 4525 4527 / 4528 4529 / 4530 4531 / 4534 4536
	450207.6()	1.3	2.5	7	0.2	5000	
	450208.6()	1.3	2.5	8	0.2	5000	
	450210.6()	1.3	2.5	10	0.2	5000	
	450212.6()	1.3	2.5	12	0.2	5000	
	450215.6()	1.3	2.5	15	0.2	5000	
	450220.6()	1.3	2.5	20	0.2	2000	
1 (18)	450306.6()	1.5	2.7	6	0.2	5000	3984H/3997 4518 / 4519 4520 / 4521 4523 / 4524 4525 / 4527 4528 / 4529 4530 / 4531 4534 / 4536
	450307.6()	1.5	2.7	7	0.2	5000	
	450308.6()	1.5	2.7	8	0.2	5000	
	450309.6()	1.5	2.7	9	0.2	5000	
	450310.6()	1.5	2.7	10	0.2	5000	
	450312.6()	1.5	2.7	12	0.2	5000	
	450315.6()	1.5	2.7	15	0.2	2000	
	450318.6()	1.5	2.7	18	0.2	2000	
	450320.6()	1.5	2.7	20	0.2	2000	
	1.5 (16)	450406.6()	1.8	3	6	0.2	
450407.6()		1.8	3	7	0.2	5000	
450408.6()		1.8	3	8	0.2	5000	
450410.6()		1.8	3	10	0.2	5000	
450412.6()		1.8	3	12	0.2	5000	
450415.6()		1.8	3	15	0.2	2000	
450420.6()		1.8	3	20	0.2	2000	
2.5 (14)	450505.6()	2.2	3.5	5	0.2	5000	3984H/3997 4518 / 4519 4520 / 4521 4523 / 4524 4525 / 4527 4528 / 4529 4530 / 4531 4534 / 4536
	450506.6()	2.2	3.5	6	0.2	5000	
	450507.6()	2.2	3.5	7	0.2	5000	
	450508.6()	2.2	3.5	8	0.2	5000	
	450510.6()	2.2	3.5	10	0.2	2000	
	450512.6()	2.2	3.5	12	0.2	2000	
	450515.6()	2.2	3.5	15	0.2	2000	
	450520.6()	2.2	3.5	20	0.2	2000	
	450530.6()	2.2	3.5	30	0.2	1000	

mm ² (AWG)	Artikel-Nr. Numéro d'article Part-No.	øD1 mm	øD2 mm	L1 mm	S mm	Stand- Packg.	Werkzeuge Outils Tools
2.75 (14)	4505B05.6()	2.6	3.8	5	0.2	5000	3984H/3997 4519 / 4520 4521 / 4523 4524 / 4525 4528 / 4529 4531 / 4534 4536
	4505B08.6()	2.6	3.8	8	0.2	2000	
	4505B10.6()	2.6	3.8	10	0.2	2000	
	4505B12.6()	2.6	3.8	12	0.2	2000	
	4505B20.6()	2.6	3.8	20	0.2	2000	
4 (12) Seil	4506A06.6()	2.8	4	6	0.2	2000	3984H/3997 4519 / 4520 4521 / 4523 4524 / 4525 4528 / 4529 4531 / 4534 4536
	4506A08.6()	2.8	4	8	0.2	2000	
	4506A10.6()	2.8	4	10	0.2	2000	
	4506A12.6()	2.8	4	12	0.2	2000	
	4506A15.6()	2.8	4	15	0.2	2000	
	4506A20.6()	2.8	4	20	0.2	1000	
	4506A30.6()	2.8	4	30	0.2	1000	
	4 (12) Litze	4506B06.6()	3	4.3	6	0.25	
4506B08.6()	3	4.3	8	0.25	2000		
4506B10.6()	3	4.3	10	0.25	2000		
4506B11.6()	3	4.3	11	0.25	2000		
4506B12.6()	3	4.3	12	0.25	2000		
4506B15.6()	3	4.3	15	0.25	1000		
4506B20.6()	3	4.3	20	0.25	1000		
6 (10) Seil	4507A06.6()	3.6	5	6	0.2	2000	3984J/3997 4519 / 4520 4521 / 4523 4526 / 4528 4529 / 4531 4534 / 4536
	4507A08.6()	3.6	5	8	0.2	2000	
	4507A10.6()	3.6	5	10	0.2	2000	
	4507A12.6()	3.6	5	12	0.2	2000	
	4507A15.6()	3.6	5	15	0.2	1000	
	4507A20.6()	3.6	5	20	0.2	1000	
6 (10) Litze	4507B06.6()	4	5.5	6	0.25	2000	
	4507B08.6()	4	5.5	8	0.25	2000	
	4507B10.6()	4	5.5	10	0.25	2000	
	4507B12.6()	4	5.5	12	0.25	2000	
	4507B15.6()	4	5.5	15	0.25	1000	
	4507B20.6()	4	5.5	20	0.25	1000	
10 (8) Seil	4508A06.6()	4.5	6	6	0.25	1000	3984J/3997 4520 / 4521 4522 / 4526 4532
	4508A08.6()	4.5	6	8	0.25	1000	
	4508A12.6()	4.5	6	12	0.25	1000	
	4508A15.6()	4.5	6	15	0.25	1000	
	4508A20.6()	4.5	6	20	0.25	1000	
	4508B06.6()	5	6.5	6	0.25	1000	
4508B08.6()	5	6.5	8	0.25	1000		
4508B12.6()	5	6.5	12	0.25	1000		
4508B15.6()	5	6.5	15	0.25	1000		
4508B20.6()	5	6.5	20	0.25	500		
4508B30.6()	5	6.5	30	0.25	500		



Vogt Verbindungstechnik

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Embouts de fil en laiton sans isolation

Uninsulated brass end-sleeves

Werkstoff:
MS = Messing

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MS = laiton

Material:
MS = brass

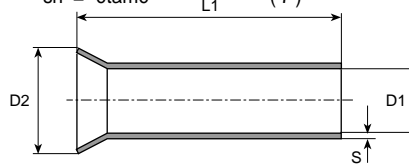
Oberflächenbehandlung: Code
 bl = blank (0)
 ag = versilbert (1)
 ni = vernickelt (5)
 sn = verzinkt (7)

Traitements de surface: Code
 bl = brut (0)
 ag = argenté (1)
 ni = nickelé (5)
 sn = étamé (7)

Surface-plating: Code
 bl = clean (0)
 ag = silver-plated (1)
 ni = nickel-plated (5)
 sn = tin-plated (7)

Bestellbeispiel
Exemple de commande:
Example of order:

4509A06.67
 (4509A/06 MS sn)



mm ² (AWG)	Artikel-Nr. Numéro d'article Part-No.	øD1 mm	øD2 mm	L1 mm	S mm	Stand.- Packg.	Werkzeuge Outils Tools
16 (6) Seil	4509A06.6()	5.5	7	6	0.25	1000	3984J/3997 4520 / 4522 4526 / 4532
	4509A08.6()	5.5	7	8	0.25	1000	
	4509A12.6()	5.5	7	12	0.25	1000	
	4509A15.6()	5.5	7	15	0.25	1000	
	4509A20.6()	5.5	7	20	0.25	500	
	4509A30.6()	5.5	7	30	0.25	500	
16 (6) Litze	4509B06.6()	6.4	8	6	0.3	1000	4522 / 4532 4533 / 4538 4539
	4509B08.6()	6.4	8	8	0.3	1000	
	4509B12.6()	6.4	8	12	0.3	500	
	4509B15.6()	6.4	8	15	0.3	500	
	4509B20.6()	6.4	8	20	0.3	500	
	4509B30.6()	6.4	8	30	0.3	500	
25 (4) Seil	4510A12.6()	7	8.8	12	0.25	500	4522 / 4532 4533 / 4538 4539
	4510A15.6()	7	8.8	15	0.25	500	
	4510A18.6()	7	8.8	18	0.25	500	
	4510A20.6()	7	8.8	20	0.25	500	
	4510A40.6()	7	8.8	40	0.25	500	
	25 (4) Litze	4510B08.6()	7.6	9.5	8	0.2	
4510B12.6()		7.6	9.5	12	0.2	500	
4510B15.6()		7.6	9.5	15	0.2	500	
4510B18.6()		7.6	9.5	18	0.2	500	
4510B20.6()		7.6	9.5	20	0.2	500	
4510B30.6()		7.6	9.5	30	0.2	500	
35 (2) Seil	451120.6()	8	10.5	20	0.5	200	4522 / 4533 4538
	451130.6()	8	10.5	30	0.5	200	
35 (2) Litze	451215.6()	9.4	11.5	15	0.3	200	4522 / 4533 4539
	451218.6()	9.4	11.5	18	0.3	200	
	451220.6()	9.4	11.5	20	0.3	200	
	451230.6()	9.4	11.5	30	0.3	100	
50 (1) Seil	451215.6()	9.4	11.5	15	0.3	200	4522 / 4533 4539
	451218.6()	9.4	11.5	18	0.3	200	
	451220.6()	9.4	11.5	20	0.3	200	
	451230.6()	9.4	11.5	30	0.3	100	
50 (1) Litze	451320.6()	11	13.5	20	0.5	200	4533 / 4539
	451322.6()	11	13.5	22	0.5	200	
	451330.6()	11	13.5	30	0.5	100	

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70 (2/0) Seil	451320.6()	11	13.5	20	0.5	200	4533
	451322.6()	11	13.5	22	0.5	200	
	451330.6()	11	13.5	30	0.5	100	
70 (2/0) Litze	451420.6()	13	15.5	20	0.5	100	4537
	451426.6()	13	15.5	26	0.5	100	
	451430.6()	13	15.5	30	0.5	100	
95 (3/0) Seil	451420.6()	13	15.5	20	0.5	100	4537
	451426.6()	13	15.5	26	0.5	100	
	451430.6()	13	15.5	30	0.5	100	
95 (3/0) Litze	451520.6()	15	17.5	20	0.5	100	4537
	451530.6()	15	17.5	30	0.5	100	
120 (250 MCM) Seil	451520.6()	15	17.5	20	0.5	100	4537
	451530.6()	15	17.5	30	0.5	100	
120 (250 MCM) Litze	451620.6()	17	19.5	20	0.5	100	4537
	451630.6()	17	19.5	30	0.5	100	
150 (300 MCM) Seil	451620.6()	17	19.5	20	0.5	100	4537
	451630.6()	17	19.5	30	0.5	100	