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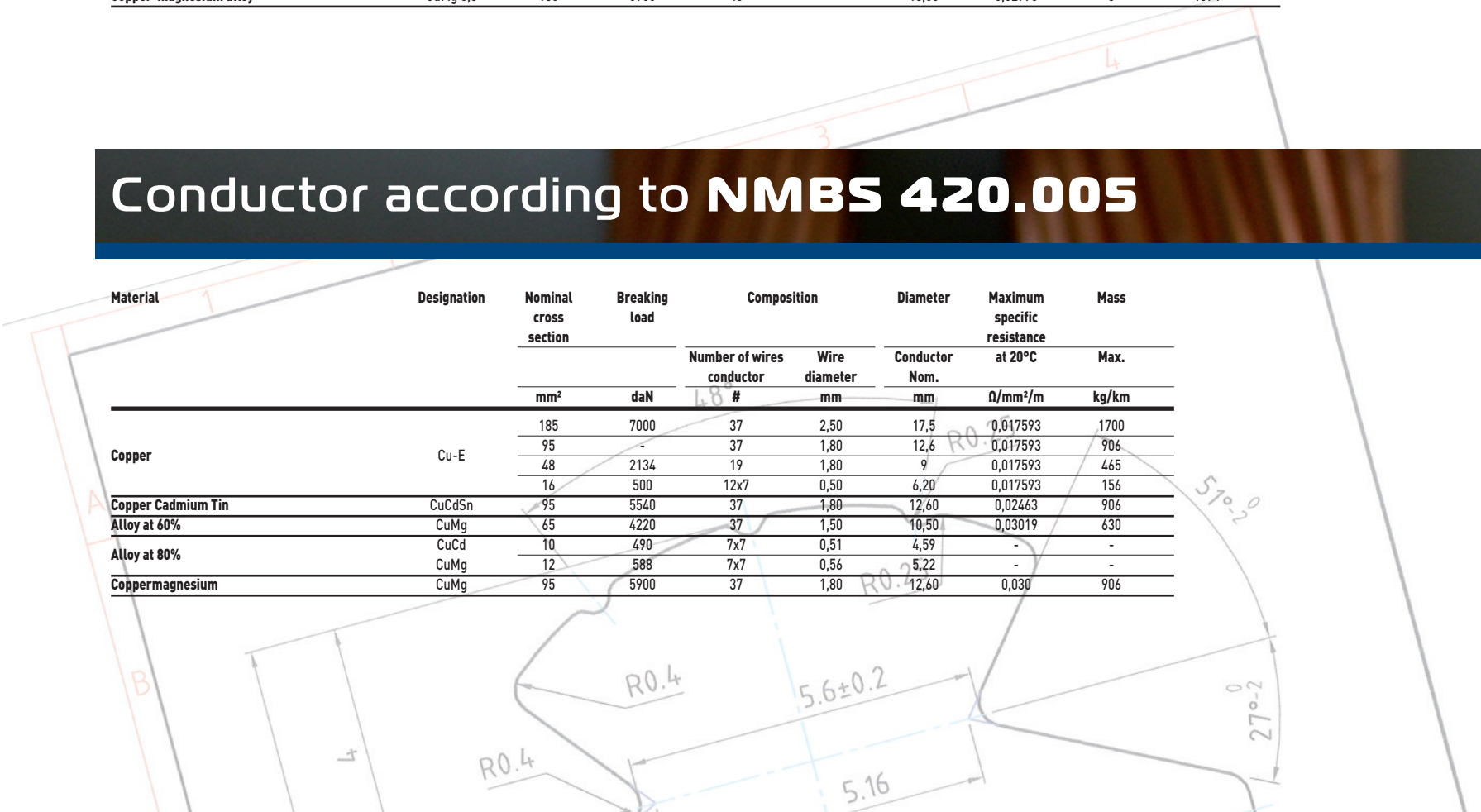
Contact wire according to **NMBS 420.005**

Material	Designation	Nominal cross section	Breaking load	Mecanical resistance (Rm)	Wire diameter Construction		Maximum specific resistance	Percentage elongation after fracture (A)	Mass
				Min.	NMBS profile	BF	at 20°C		Max.
		mm²	daN	daN/mm²	mm	mm	Ω/mm²/m	Min. %	kg/km
Copper	Cu-E	100	3550	35,5	12,10		0,01777	3	916
Copper-silver alloy	CuAg 0,1	100	3600	36	12,10		0,01777	3	916
		107	3852	35,5		11,35	0,01777	3	980
		120	4200	35		12,27	0,01777	3	1099
		150	5250	35		13,60	0,01777	3	1374
Copper-magnesium alloy	CuMg 0,5	150	6900	46		13,60	0,02778	3	1374

Conductor according to **NMBS 420.005**

Material	Designation	Nominal cross section	Breaking load	Composition		Diameter	Maximum specific resistance	Mass
				Number of wires conductor	Wire diameter	Conductor Nom.	at 20°C	Max.
		mm²	daN	#	mm	mm	Ω/mm²/m	kg/km
Copper	Cu-E	185	7000	37	2,50	17,5	0,017593	1700
		95	-	37	1,80	12,6	0,017593	906
		48	2134	19	1,80	9	0,017593	465
		16	500	12x7	0,50	6,20	0,017593	156
Copper Cadmium Tin	CuCdSn	95	5540	37	1,80	12,60	0,02463	906
Alloy at 60%	CuMg	65	4220	37	1,50	10,50	0,03019	630
Alloy at 80%	CuCd	10	490	7x7	0,51	4,59	-	-
	CuMg	12	588	7x7	0,56	5,22	-	-
Coppermagnesium	CuMg	95	5900	37	1,80	12,60	0,030	906



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