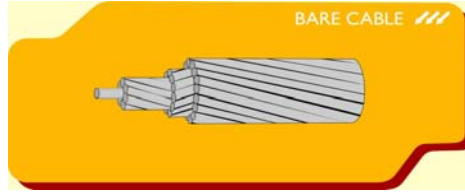


**ACSR / AS**

Aluminium Conductors Aluminium Clad Steel Reinforced



**BARE CONDUCTOR**

**TECHNICAL DATA**

- SPEC STD** Specification : DIN 48200 Teil B, DIN 48204
- APL** Used for overhead transmission lines

**DIMENSIONAL , ELECTRICAL & MECHANICAL DATA**

AREA			Number of core & Dia. Wire		Overall Diameter approx.	Weight Total	Nominal Calculated Breaking Load	Max. DC Resistance at 20°C	Current Carrying Capacity*	Std. Length per reel
Aluminium / Steel	Aluminium	Steel	Aluminium	Steel						
(mm <sup>2</sup> )	(mm <sup>2</sup> )	(mm <sup>2</sup> )	n / (mm)	n / (mm)	(mm)	(kg / km)	(KN)	(Ohm/km)	(A)	(M±5%)
16/2.5	15.3	2.50	6/1.8	1/1.80	5.4	59	5.95	1.7790	115	2.000
25/4.0	23.8	4.0	6/2.25	1/2.25	6.8	93	9.20	1.1390	150	
35/6.0	34.3	5.7	6/2.7	1/2.70	8.1	133	12.95	0.7906	190	
44/32.0	44.0	31.7	14/20	7/2.4	11.2	333	47.05	0.5282	270	
50/8.0	48.3	8.0	6/3.2	1/3.2	9.6	187	17.90	0.5629	235	
50/30	51.2	29.8	12/2.33	7/2.33	11.7	341	45.75	0.4712	290	
70/12	69.9	11.4	26/1.85	7/1.44		270	26.90	0.3915	320	
95/15	94.4	15.3	26/2.25	7/1.67	14.0	389	35.90	0.2899	400	
95/55	96.5	56.3	12/3.2	7/3.20	16	643	85.20	0.2498	435	
105/75	105.7	75.5	14/3.1	19/2.25	17.5	797	110.40	0.2203	470	
120/20	121.6	19.8	26/2.44	7/1.90	15.5	470	45.85	0.2250	450	
120/70	122.1	71.3	12/3.6	7/3.60	18	814	99.55	0.1974	505	
125/30	127.9	29.8	30/2.33	7/2.33	16.3	554	59.50	0.2093	475	
150/25	148.9	24.2	26/2.7	7/2.10	17.1	575	55.50	0.1938	515	
170/40	171.8	40.1	30/2.7	7/2.70	18.9	744	75.85	0.1559	545	
185/30	183.8	29.8	26/3.0	7/2.33	19	709	67.70	0.1489	585	
210/35	209.1	34.1	26/3.2	7/2.49	20.3	808	76.55	0.1308	640	
210/50	212.1	49.5	30/3.00	7/3.00	21.0	918	96.65	0.1263	655	
230/30	230.9	29.8	24/3.50	7/2.33		840	74.55	0.1197	671	
240/40	243.1	39.5	26/3.45	7/2.68	21.8	938	88.40	0.1126	700	
265/35	263.7	34.1	24/3.74	7/2.49	22.4	958	84.6	0.1048	730	
300/50	304.3	49.5	26/3.86	7/3.00	24.4	1174	109.5	0.0899	818	
305/40	304.6	39.5	54/2.68	7/2.68	24.1	1108	101.15	0.0909	800	
340/30	339.3	29.8	48/3.00	7/2.33	25	1140	93.95	0.0827	825	
380/50	381.7	49.5	54/3.00	7/3.00	27	1388	125.25	0.0725	885	
385/35	386	34.1	48/3.20	7/2.49	26.7	1298	105.9	0.0727	900	
435/55	434.3	56.3	54/3.20	7/3.20	28.8	1578	141.2	0.0638	1000	
450/40	448.7	39.5	48/3.45	7/2.68	28.7	1508	122.05	0.0625	1020	
490/65	490.3	63.6	54/3.40	7/3.40	30.6	1783	154.05	0.0565	1080	
495/35	494.4	34.1	45/3.74	7/2.49	29.9	1598	121.9	0.0571	1095	
510/70	510.2	45.3	48/3.68	7/2.87	30.7	1718	138.3	0.0549	1165	
550/70	549.7	71.3	54/3.60	7/3.60	32.4	1999	168.75	0.0504	1170	
560/50	561.7	49.5	48/3.86	7/3.00	32.2	1887	150.6	0.0500	1145	
650/45	653.5	45.3	45/4.3	7/2.87	34.4	2114	159.55	0.0432	1270	
680/85	678.6	86	54/4.0	19/2.40	36	2454	214.15	0.0409	1320	
1045/45	1045.6	45.3	72/4.30	7/2.87	43	3205	221.85	0.0274	1685	500