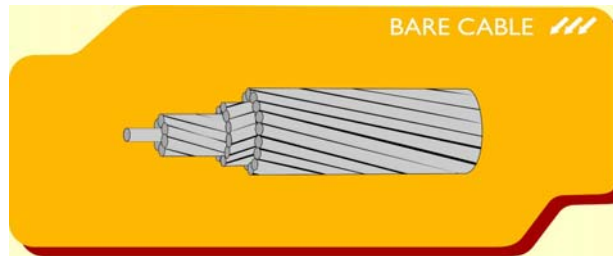


ACSR

Aluminium Conductors Steel Reinforced



BARE CONDUCTOR

TECHNICAL DATA

SPEC
STD Specification : DIN 48204

APL Used for overhead transmission lines

DIMENSIONAL , MECHANICAL & ELECTRICAL DATA

Nominal Aluminium / Steel (mm ²)	AREA			Number of core & Dia. Wire		Overall Diameter approx. (mm)	Weight			Min. Calculated Breaking Load (KN)	Max. DC Resistance at 20°C (Ohm/km)	Std. Length per reel (M+/-5%)
	Aluminium (mm ²)	Steel (mm ²)	Total (mm ²)	Aluminium n / (mm)	Steel n / (mm)		Aluminium (kg / km)	Steel (kg / km)	Total (kg / km)			
265/35	263.7	34.1	297.80	24/3.74	7/2.49	22.4	728	274	998	82.94	0.1094	3.000
300/50	304.3	49.5	353.70	26/3.86	7/3.00	24.5	840	396	1233	105.09	0.9487	
305/40	304.6	39.5	344.10	54/2.68	7/2.68	24.1	843	317	1155	99.3	0.949	2.000
340/30	339.3	29.8	369.10	48/3.00	7/2.33	25	938	242	1174	92.56	0.08509	2.500
380/50	382	49.5	431.50	54/3.00	7/3.00	27	1056	397	1448	120.91	0.07573	3.000
385/35	386	34.1	420.10	48/3.20	7/2.49	26.7	1067	277	1336	104.31	0.07478	2.000
435/55	434.3	56.3	490.60	54/3.20	7/3.20	28.8	1203	450	1647	136.27	0.06656	
450/40	448.7	39.5	488.20	48/3.45	7/2.68	28.7	1241	320	1553	120.19	0.06434	
490/62	490.3	63.6	553.90	54/3.40	7/3.40	30.6	1356	510	1860	152.85	0.05896	
495/35	494.1	34.1	528.20	45/3.74	7/2.49	29.9	1363	283	1636	120.31	0.05846	
510/45	510.2	45.3	555.50	48/3.68	7/2.87	30.7	1413	365	1770	134.33	0.05655	
550/70	550	71.3	621.30	54/3.60	7/3.60	32.4	1520	572	2085	167.42	0.05259	
560/50	561.7	49.5	611.20	48/3.86	7/3.00	32.2	1553	401	1943	146.28	0.0514	
570/40	565.5	39.5	610.30	45/4.00	7/2.68		1563	325	1889	137.98	0.0506	
632/45	632.1	45.3	677.40	45/4.23	7/2.87	34	1754	364	2163	155.52	0.0442	2.500
680/85	678.8	86	764.80	54/4.00	19/2.40	36	1868	702	2564	209.99	0.0426	