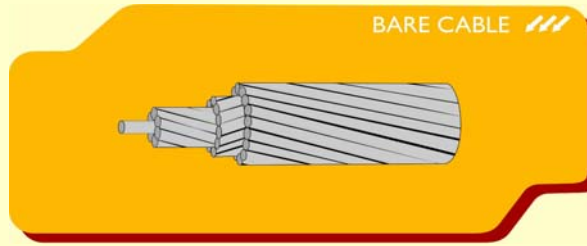


ACSR

Aluminium Conductors Steel Reinforced



BARE CONDUCTOR

TECHNICAL DATA

SPEC
STD

Specification : ASTM, B232

° C

Ambient temperature : 35 ° C

APL

Used for overhead transmission lines

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Wind velocity : 0.6 m/sec

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Continuous operating of conductor : 80 ° C

DIMENSIONAL , MECHANICAL & ELECTRICAL DATA

Nominal AWG or MCM	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	Steel	Total	Aluminium	Steel		Aluminium	Steel	Total			
	(mm ²)	(mm ²)	(mm ²)	n / (mm)	n / (mm)		(kg / km)	(kg / km)	(kg / km)			
477	241.68	39.42	281.10	26/3.44	7/2.67	21.79	670	308	978	86.65	0.1199	2.000
		56.39	298.07	30/3.20	7/3.2	22.40	671	441	1112	105.34	0.1201	
556.5	282.00	15.68	297.68	18/4.47	1/4.47	22.35	777	122	899	60.88	0.1022	3.000
		36.58	318.58	24/3.87	7/2.58	23.22	781	286	1067	88.22	0.1027	
		45.94	327.94	26/3.72	7/2.89	23.55		359	1140	101.03		
		65.81	347.81	30/3.46	7/3.46	24.21	783	515	1298	122.92	0.103	3.500
605	306.58	39.74	346.32	24/4.03	7/2.69	24.20	849	311	1160	95.88	0.0945	3.000
		49.94	356.52	26/3.87	7/3.01	24.51	850	390	1240	108.14		
		71.55	378.13	30/3.61	7/3.61	25.25	851	560	1411	128.84	0.0947	
		69.87	376.45		19/2.16	25.24		548	1399	133.59		
636	322.26	17.90	340.16	18/4.78	1/4.78	23.88	889	139	1028	69.55	0.08945	2.000
		41.81	364.17	24/4.14	7/2.76	24.84	893	326	1219	100.83	0.08989	2.500
		52.45	374.71	26/3.97	7/3.09	25.15		409	1302	111.80		
		75.22	397.48	30/3.70	7/3.70	25.88	895	589	1484	135.44	0.09011	
		73.55	395.81		19/2.22	25.9		894	576	1470		140.30
		8.96	331.22	36/3.88	1/3.38	23.62	888	70	958	60.52	0.08945	2.000
666.6	337.74	43.81	381.55	24/4.23	7/2.82	25.4	936	342	1278	105.66	0.08577	2.500
		55.03	392.77	26/4.07	3/3.16	25.76		429	1365	117.33		
715.5	362.58	46.97	409.55	24/4.39	7/2.92	26.31	1005	367	1372	113.35	0.07989	2.000
		59.03	421.61	26/4.21	7/3.28	26.68		461	1466	125.91		2.500