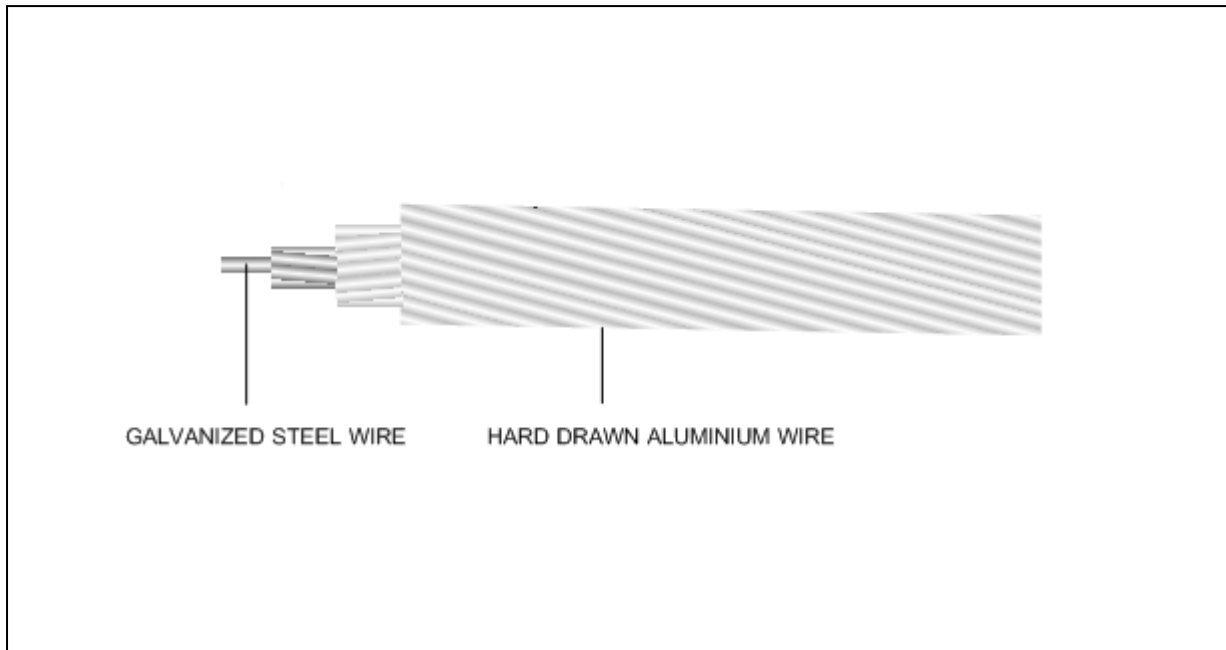

ACSR

ALUMINIUM CONDUCTOR STEEL REINFORCED



CABLE STRUCTURE

CONDUCTOR	:	Hard drawn aluminum wire Sizes 16 mm ² up to 680 mm ²
STANDING DIRECTION	:	Z – Stranding
STEEL CORE	:	Galvanized steel (Zinc coated), solid and concentric stranded, sizes 2.5 mm ² up to 85 mm ²
REFERENCE	:	TIS 86-2522

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TIS 86-2522

Nominal Cross Sectional area (mm ²)	ALUMINIUM		STEEL WIRE		Approx. overall conductor diameter (mm)	Maximum Conductor resistance at 20 °C (Ω/Km)	Breaking Strength (kgf)	Maximum continuous Current Rating In Free air (Ampere)	Cable Weight (approx.) (Kg/Km)	Standard length (m)
	Number and approx. diameter of wire (No./mm)	Cross Sectional area (mm ²)	Number and approx. diameter of wire (No./mm)	Cross Sectional area (mm ²)						
16/2.5	6/1.80	15.3	1/1.80	2.54	5.40	1.880	592	90	60	4,000/D
25/4	6/2.25	23.9	1/2.25	3.98	6.75	1.203	916	125	95	4,000/D
35/6	6/2.70	34.4	1/2.70	5.73	8.10	0.8353	1,265	145	140	3,000/D
50/8	6/3.20	48.3	1/3.20	8.04	9.60	0.5947	1,716	170	200	3,000/D
50/30	12/2.33	51.2	7/2.33	29.85	11.5	0.5644	4,380	170	380	3,000/D
70/12	26/1.85	69.9	7/1.44	11.40	11.5	0.4131	2,676	290	280	3,000/D
95/15	26/2.15	94.4	7/1.67	15.33	13.5	0.3058	3,565	350	380	3,000/D
95/55	12/3.20	96.5	7/3.20	56.30	16.0	0.2993	7,965	350	700	3,000/D
120/20	26/2.44	121.6	7/1.90	19.85	15.5	0.2375	4,555	410	490	2,000/D
120/70	12/3.60	122.1	7/3.60	71.25	18.0	0.2365	10,034	410	900	2,000/D
125/30	30/2.33	27.9	7/2.33	29.85	16.0	0.2259	5,759	425	600	2,000/D
150/25	26/2.70	148.9	7/2.10	24.25	17.0	0.1939	5,513	470	600	2,000/D
170/40	30/2.70	171.8	7/2.70	40.08	18.5	0.1683	7,675	520	800	2,000/D
185/30	26/3.00	183.8	7/2.33	29.85	18.5	0.1571	6,618	535	750	2,000/D
210/35	26/3.20	209.1	7/2.49	34.09	20.0	0.1381	7,489	590	850	1,500/D
210/50	30/3.00	212.1	7/3.00	49.48	21.00	0.1363	9,390	610	1,000	1,500/D
230/10	24/3.50	230.9	7/2.33	29.85	21.00	0.1250	7,313	630	900	1,500/D
240/40	26/3.45	243.1	7/2.68	39.49	21.00	0.1188	8,640	645	1,000	1,500/D
265/35	24/3.74	263.7	7/2.49	34.10	22.00	0.1095	8,307	680	1,000	1,000/D
300/50	26/3.86	304.3	7/3.00	49.50	24.00	0.0949	10,702	740	1,200	1,000/D
305/40	54/2.68	304.6	7/2.68	39.50	24.00	0.0949	9,942	740	1,200	1,000/D
380/50	54/3.00	381.7	7/3.00	49.50	27.00	0.0758	12,312	840	1,500	1,000/D
435/55	54/3.20	434.3	7/3.20	56.30	28.00	0.0666	13,673	900	1,700	1,000/D
490/65	54/3.40	490.3	7/3.40	63.60	30.00	0.0590	15,343	960	1,900	1,000/D
550/70	54/3.60	549.7	7/3.60	71.30	32.00	0.0526	17,096	1020	2,100	500/D
680/85	54/4.00	678.6	19/2.40	86.00	36.00	0.0426	12,040	1150	2,600	500/D

D : Packing in drum.

