

Galvanized steel strand wire refers to any steel wire product that has been subjected to a galvanizing process to improve its corrosion resistance. This process typically involves dipping the finished wire product into a bath of heated zinc compound to form a scratch-and corrosion-resistant coating across the entire wire surface.

### Application

ACSR conductors are known to have more strength and conductivity and are popular among different conductor configurations for voltage transmission. ACSR conductors are used almost extensively in all countries to transmit huge amounts of voltage from one end to another. Due to their stranded nature, they are easy to transport, unlike in solid conductors that break during transportation and handling issues.

### Reference Standard

Basic design to BS 215-2 / BS EN 50182 / IEC 61089 / ASTM B 232/B 232M / DIN 48204 / JIS C 3110 standards.

Dia.(Inch)	No. of Wire	(Inch)	Min. Breaking Load(lbf)					Approximate
			Utilities Grade	Common Grade	Siemens-Martin	High-Strength	Extra High-Strength Grade	Weight(lb/100ft)
					Grade	Grade		
1/8	7	0.041	-----	540	910	1330	18300	3.2
5/32	7	0.052	-----	870	1470	2140	29400	5.1
3/16	7	0.062	-----	1150	1900	2850	3990	7.3
3/16	7	0.065	2400	-----	-----	-----	-----	8
7/32	3	0.104	-----	1400	2340	3500	4900	8.8
7/32	7	0.072	-----	1540	2560	3850	5400	9.8
1/4	3	0.12	3150	1860	3040	4730	6740	11.7
1/4	3	0.12	4500	-----	-----	-----	-----	11.7
1/4	7	0.08	-----	1900	3150	4750	6650	12.1
9/32	3	0.13	-----	2080	3380	5260	7500	13.7
9/32	7	0.093	4600	2570	4250	6400	8950	16.4
5/16	3	0.145	6500	2490	4090	6350	9100	17.1
5/16	7	0.104	-----	3200	5350	8000	11200	20.5
5/16	7	0.109	6000	-----	-----	-----	-----	22.5

3/8	3	0.16 5	8500	3330	5560	8360	11800	22
3/8	7	0.12	11500	4250	6950	10800	15400	27.3
7/16	7	0.14 5	18000	5700	9350	14500	20800	39.9
1/2	7	0.16 5	25000	7400	12100	18800	26900	51.7
1/2	19	0.1	----	7620	12700	19100	26700	50.4
9/16	7	0.18 8	----	9600	15700	24500	35000	67.1
9/16	19	0.11 3	----	9640	16100	24100	33700	63.7
5/8	7	0.20 7	----	11600	19100	29600	42400	81.3
5/8	19	0.12 5	----	11000	18100	28100	40200	79.6
3/4	19	0.15	----	16000	26200	40800	58300	115.5
7/8	19	0.17 7	----	24900	35900	55800	79700	158.1
1/1	19	0.2	----	28700	47000	73200	104500	207.3
1/1	37	0.14 3	----	28300	46200	71900	102700	205.7
1/8	37	0.16 1	----	36000	58900	91600	130800	269.1
1/4	37	0.17 9	----	44600	73000	113600	162200	324.8