



ACFR® (Aluminium Conductor Fiber Reinforced)

CONDUCTOR NAME	CROSS SECTIONAL AREA			DIAMETER		WEIGHT			RATED STRENGTH		DC RESISTANCE @ 20°C	CURRENT CAPACITY		
	AL	CORE	TOTAL	CONDUCTOR	CORE	ALUMINIUM	CORE	TOTAL	CORE	CONDUCTOR		@85°C	@150°C	@180°C
ACFR®	(MM ²)	(MM ²)	(MM ²)	(MM)	(MM)	(KG/KM)	(KG/KM)	(KG/KM)	(KN)	(KN)	(Ω/KM)	(AMP)	(AMP)	(AMP)
ACFR 149/17-FA-TT	148.77	17.22	165.99	15.30	5.30	411	27	438	36.80	45.00	0.1879	443	682	757
ACFR 121/17-FA-TT	121.3	17.20	138.5	14.00	5.30	335	27	362	36.80	43.80	0.2306	391	599	665
ACFR 182/28-FA-TT	181.79	28.20	209.99	17.10	6.80	502	44	546	60.30	70.77	0.15387	504	778	865
ACFR 213/28-FA-TT	212.73	28.20	240.93	18.29	6.80	588	44	632	60.30	72.60	0.1315	555	859	955
ACFR 267/37-FA-TT	267.2	37.2	304.3	20.75	7.80	738	60	798	79.50	94.80	0.1047	642	999	1112
ACFR 281/37-FA-TT	280.66	37.17	317.83	21.00	7.80	775	60	835	79.50	95.66	0.0996	661	1028	1144
ACFR 312/37-FA-TT	311.51	37.2	348.71	22.36	7.80	860	60	920	79.50	97.40	0.0897	707	1104	1230
ACFR 325/37-FA-TT	325.2	37.2	362.4	22.42	7.80	898	60	958	79.50	98.20	0.0860	723	1128	1256
ACFR 302/37-FA-RR	301.59	37.17	338.76	23.80	7.80	836	60	896	79.50	96.90	0.09301	706	1105	1231
ACFR 470/56-FA-TT	469.81	56.3	526.11	27.00	9.60	1297	93	1390	121.00	148.00	0.05950	911	1433	1600
ACFR 492/56-FA-TT	491.84	56.3	548.14	28.14	9.60	1357	93	1450	121.00	149.30	0.05680	942	1485	1659
ACFR 539/56-FA-TTT	539.0	56.30	595.30	28.62	9.60	1489	93	1582	121.00	152.00	0.05180	990	1562	1745
ACFR 540/56-FA-TTT	540.4	56.30	596.7	29.21	9.60	1495	93	1588	121.00	152.10	0.0518	995	1572	1757
ACFR 679/56-FA-TTT	679.29	56.30	735.59	31.77	9.60	1875	93	1968	121.00	160.20	0.0412	1137	1805	2020
ACFR 665/71-FA-TTT	665.16	71.3	736.46	31.9	10.80	1837	112	1949	152.40	190.70	0.0421	1127	1789	2002

Note: Current Carrying Capacity Is Calculated As Per The Following Assumptions:

Wind Velocity: 0.61 M/sec; Solar Absorption Co-efficient: 0.5; Emissivity: 0.5; Ambient Temperature: 40°C; Solar Radiation: 1033 Watt/sq.m

