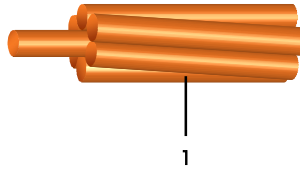


FHC

HARD DRAWN COPPER STRANDED CONDUCTOR



Construction

1. Conductor : Stranded hard-drawn copper

Reference Standard :

TIS 64-2517

Application

Aerial power transmission and distribution line.

Nominal cross-sectional area mm ²	Calculated cross-sectional area mm ²	No. & dia. of wires No./mm	Overall diameter mm	DC. Conductor resistance at 20°C Ω/km (Max.)	Breaking strength (kgf)	Current rating in free air at 40°C ambient A	Cable weight kg/km (Approx.)	Standard length m/drum
10	10.02	7/1.35	4.05	1.80548	438	90	90	1000
16	15.89	7/1.70	5.10	1.13857	694	125	143	1000
25	25.18	7/2.14	6.42	0.71851	1,076	160	227	1000
35	34.91	7/2.52	7.56	0.51815	1,459	200	314	1000
50	50.14	7/3.02	9.06	0.35896	2,095	250	452	1000
50	47.28	19/1.78	8.90	0.38252	2,021	250	428	1000
70	68.34	19/2.14	10.70	0.26466	2,921	310	618	1000
95	94.77	19/2.52	12.60	0.19183	3,961	380	858	1000
120	121.21	19/2.85	14.20	0.14922	5,067	440	1,097	1000
150	147.12	37/2.25	15.75	0.12384	6,289	510	1,334	1000
185	184.54	37/2.52	17.64	0.09873	7,713	585	1,673	500
240	242.54	61/2.25	20.25	0.07528	10,369	700	2,200	500
300	304.24	61/2.52	22.68	0.06002	17,717	800	2,760	500
400	389.14	61/2.85	25.65	0.04692	16,266	900	3,530	300
500	490.59	61/3.20	28.80	0.03703	20,506	1,110	4,451	300