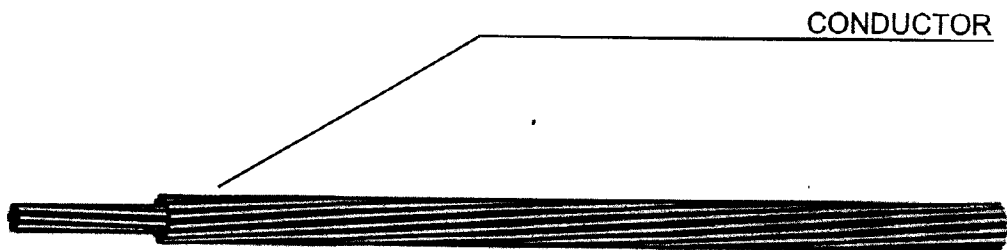


COPPER CONDUCTOR CABLES

Bare Conductor

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HARD DRAWN COPPER STRANDED CONDUCTOR**CABLE STRUCTURE**

- CONDUCTOR** : Hard drawn copper wires, concentric
stranded conductor
Sizes. 10 mm² up to 500 mm²
Direction of outermost layer S
- REFERENCE** : TIS 64-2517



FHC

Nominal Cross Sectional area (mm ²)	Number and diameter of wire (No./mm)	Approx 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)
10	7/1.35	4.05	1.80548	438	90	90	1000/D
16	7/1.70	5.10	1.13857	694	125	140	1000/D
25	7/2.14	6.42	0.71851	1,076	160	230	1000/D
35	7/2.25	7.56	0.51815	1,459	200	320	1000/D
50	7/3.02	9.06	0.35896	2,095	250	450	1000/D
50	19/1.78	8.90	0.38252	2,021	250	430	1000/D
70	19/2.14	10.70	0.26466	2,921	310	600	1000/D
95	19/2.52	12.60	0.19183	3,961	380	850	1000/D
120	19/2.85	14.25	0.14922	5,067	440	1,100	500/D
150	37/2.25	15.75	0.12384	6,289	510	1,300	500/D
185	37/2.52	17.64	0.09813	7,713	585	1,700	500/D
240	61/2.25	20.25	0.07528	10,369	700	2,200	500/D
300	61/2.52	22.68	0.06002	12,717	800	2,800	500/D
400	61/2.85	25.65	0.04692	16,266	900	3,600	500/D
500	61/3.20	28.80	0.03703	20,506	1110	4,500	500/D

C: Packing in coil.