

# COPPER CONDUCTOR CABLES

◆ BARE CONDUCTOR ◆

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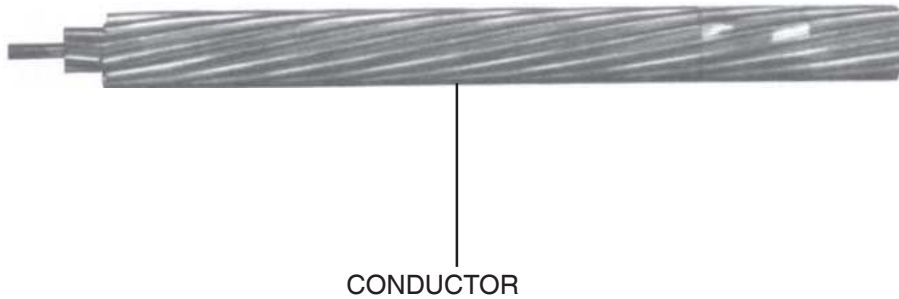
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HARD DRAWN COPPER STRANDED CONDUCTOR  
(TIS 64-2517)

**115**



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**HARD DRAWN COPPER STRANDED CONDUCTOR****CABLE STRUCTURE**

<b>CONDUCTOR</b>	:	Hard drawn copper wires, concentric stranded conductor, sizes 10 mm <sup>2</sup> up to 500 mm <sup>2</sup> Direction of outermost layer Z
<b>REFERENCE</b>	:	TIS 64-2517

Nominal cross sectional area	Number and diameter of wire	Overall conductor diameter	Maximum conductor resistance at 20° C	Breaking strength	Maximum continuous current rating in free air	Cable weight (approx.)	Standard length
(mm <sup>2</sup> )	(No/mm)	(mm)	( $\Omega$ /Km)	(Kgf)	(Ampere)	(Kg/Km)	(m)
10	7/1.35	4.05	1.80548	438	90	90	1,000/D
16	7/1.70	5.10	1.13857	694	125	143	1,000/D
25	7/2.14	6.42	0.71851	1,076	160	227	1,000/D
35	7/2.52	7.56	0.51815	1,459	200	314	1,000/D
50	7/3.02	9.06	0.35896	2,095	250	452	1,000/D
50	19/1.78	8.90	0.38252	2,021	250	428	1,000/D
70	19/2.14	10.70	0.26466	2,921	310	618	1,000/D
95	19/2.52	12.60	0.19183	3,961	380	858	1,000/D
120	19/2.85	14.25	0.14922	5,067	440	1,097	500/D
150	37/2.25	15.75	0.12384	6,289	510	1,334	500/D
185	37/2.52	17.64	0.09813	7,713	585	1,673	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	2,760	500/D
400	61/2.85	25.65	0.04692	16,266	900	3,530	500/D
500	61/3.20	28.80	0.03703	20,506	1,110	4,451	500/D

D : Packing in drum.