

hard drawn copper

CU -ETP

CABLE STANDARDS

BS 7884



APPLICATION

Solid or Concentric stranded hard drawn bare copper conductor. Application. For aerial power transmission and distribution line, circuit ground connections.

CONSTRUCTION

Conductor

Class 2 stranded copper conductors

CHARACTERISTICS

Voltage Rating (U_0/U) (Um)

Test Voltage

Temperature Rating

-20°C to +90°C

Minimum Bending Radius

15 x Overall Diameter **for Single Core**

hard drawn copper

CU -ETP

Technical Specifications

Nominal area of cross-section of stranded conductor mm ²	Construction (stranding and wire diameter) number/mm	Resistance at 20 C		Minimum breaking load N	OVERALL DIAMETER Mm Approx	WEIGHT kg.km Approx
		Nominal Ω /km	Max. Ω /km			
10	7/1.35	1.788	1.829	3752	4.05	89.82
14	7/1.60	1.273	1.303	5267	4.80	126.2
16	3/2.65	1.082	1.106	6194	5.70	148.3
16	7/1.70	1.128	1.154	5946	5.10	142.4
25	7/2.10	0.7391	0.7563	9073	6.30	217.3
32	3/3.75	0.5405	0.5520	12400	8.06	296.9
32	7/2.46	0.5386	0.5497	12442	7.38	298.2
35	7/2.50	0.5215	0.5337	12860	7.50	308.0
50	7/3.00	0.3622	0.3706	18520	9.00	443.5
50	19/1.80	0.3727	0.3819	17700	9.00	435.8
70	7/3.55	0.2586	0.2646	25930	10.65	621.1
70	19/2.10	0.2738	0.2806	24090	10.50	593.2
95	19/2.50	0.1932	0.1980	34140	12.50	840.7
100	7/4.30	0.1763	0.1810	36540	12.90	911.2
120	19/2.80	0.1540	0.1578	42830	14.00	1055
125	19/2.90	0.1436	0.1471	45940	14.50	1131
150	19/3.20	0.1180	0.1208	55940	16.00	1377
150	37/2.25	0.1233	0.1264	53880	15.75	1334
185	19/3.55	0.09582	0.09815	68860	17.75	1695
185	37/2.50	0.09981	0.1024	66490	17.50	1647