

## TRANSFORMER LEAD CABLE

Bare, soft, stranded copper cable per ASTM specifications with paper wall insulation of various thicknesses.

Rea Insulation Code: **C00 C85 C87**

Insulation Material Description: **Bare, soft, stranded copper cable**

Shape: **Stranded**

Conductor: **Copper**

### MARKETS

Transformers:

- General
- Utility Distribution Transformers
- Utility Power Transformers
- Specialty Transformers

### FEATURES AND BENEFITS

- The insulation is thermally upgraded, 2 way stretch crepe paper or DuPont® Nomex® 411 crepe insulation.
- Cable is also available with open cotton braid over the insulation.
- Construction is multiple layers, helically wrapped, with the last tape glued in place. The outer layer has the size and wall build printed on the cable.



### TYPICAL APPLICATIONS

Utility transformers.

Flange Diameter	Traverse	Arbor	Overall Width	Drum Diameter
24" W&M	6"	1 9/16"	8"	14"
22" Wood	11"	5"	12 1/2"	12"
30" Wood	11"	5"	12 1/2"	16"
36" Wood	18"	3 5/8"	22"	24"
42" Wood	24"	3 5/8"	28"	24"
48" Wood	24"	3 5/8"	28"	24"

Packages	Recommended for	Preferred Sizes
6x24"W&M	Small sizes/Short lengths	8 AWG & smaller
11x22" W	Small sizes/Medium lengths	6 AWG & smaller
11x30" W	Intermediate sizes/Short lengths	6 AWGto 3 AWG
11x36" W	Small sizes/Long lengths	4 AWGto 1 AWG
11x36"W	Intermediate sizes/Medium lengths	4 AWGto 1 AWG

<b>Packages</b>	<b>Recommended for</b>	<b>Preferred Sizes</b>
24×42" W	Intermediate sizes/Medium lengths	2 AWG to 350 MCM
24×42" W	Large sizes/Short lengths	2 AWG to 350 MCM
24×48" W	Largest size - Approximately 750 to 1000'	1/0 AWG & larger

<b>Size-Strands</b>	<b>Construction</b>	<b>Bare OD Inches</b>	<b>Bare OD mm</b>	<b>mm<sup>2</sup> Circular Mill Area</b>	<b>Nom. Lb/mft Bare</b>
14-7	7/.0242	0.073	1.8	2.1	13
12-7	7/.0305	0.092	2.3	3.3	20
10-7	7/.0385	0.116	2.9	5.3	33
10-19	19/.0234	0.117	3.0	5.3	33
8-19	19/.0295	0.146	3.7	8.4	51
6-19	19/.0372	0.184	4.7	13.3	82
4-19	19/.0469	0.235	6.0	21.2	129
3-19	19/.0526	0.263	6.7	26.6	163
2-37	37/.0424	0.297	7.5	33.7	207
1/0-37	37/.0534	0.374	9.5	53.5	326
1/0-61	61/.0416	0.375	9.5	53.5	329
50mm <sup>2</sup> -247	19×13/24ga	0.396	10.1	50.6	318
1/0-133	19×7/.0282	0.415	10.5	53.6	336
1/0-988	19×52/30ga	0.420	10.7	50.1	332
2/0-133	19×7/.0316	0.474	12.0	67.3	419
3/0-133	19×7/.0355	0.528	13.4	84.9	539
4/0-37	37/.0756	0.529	13.4	107.2	653
95mm <sup>2</sup> -741	19×39/26ga	0.561	14.2	94.9	581
4/0-133	19×7/.0399	0.590	15.0	107.3	680
4/0-259	37×7/.0286	0.591	15.0	107.3	673
4/0-2107	7×7×43/30awg	0.623	15.8	106.8	680
250-259	37×7/.0311	0.640	16.3	126.9	815
300-259	37×7/.034	0.698	17.7	152.6	968
150mm-740	37×20/24ga	0.703	17.9	151.5	959
350-427	61×7/.0286	0.757	19.2	177.0	1,112
350-259	37×7/.0368	0.773	19.6	177.7	1,110
400-259	37×7/.0393	0.825	21.0	202.7	1,265
450-427	61×7/.0325	0.865	22.0	228.5	1,462
250mm <sup>2</sup> -1554	37/42/.0177	0.905	23.0	246.7	1,504

<b>Size-Strands</b>	<b>Construction</b>	<b>Bare OD Inches</b>	<b>Bare OD mm</b>	<b>mm<sup>2</sup> Circular Mill Area</b>	<b>Nom. Lb/mft Bare</b>
500-427	61×7/.0342	0.923	23.4	253.1	1,613
300mm <sup>2</sup> -1525	61×25/.0197	0.999	25.4	299.9	1,883
600-427	61×7/.0375	0.999	25.4	304.3	1,910
650-703	37×19/.0304	1.050	26.7	329.2	2,085
400mm <sup>2</sup> -1961	37×53/24ga	1.110	28.2	401.4	2,478
750-703	37×19/0327	1.120	28.4	380.9	2,412
800-427	61×7/.0433	1.169	29.7	405.7	2,544
500mm <sup>2</sup> -2442	37×66/24ga	1.270	32.3	499.9	3,076
1000-703	37×19/0377	1.320	33.5	506.3	3,206