TRANSFORMER LEAD CABLE



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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 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
6×24″W&M	Small sizes/Short lengths	8 AWG & smaller
11×22″ W	Small sizes/Medium lengths	6 AWG & smaller
11×30″ W	Intermediate sizes/Short lengths	6 AWGto 3 AWG
11×36″ W	Small sizes/Long lengths	4 AWGto 1 AWG
11×36″W	Intermediate sizes/Medium lengths	4 AWGto 1 AWG

Packages	Recommended for	Preferred Sizes
24×42″ W	Intermediate sizes/Medium lengths	2 AWG to 350 MCM
24×42″ W	Large sizes/Short lenghts	2 AWG to 350 MCM
24×48″ W	Largest size – Approximately 750 to 1000′	1/0 AWG & larger

Size-Strands	Construction	Bare OD Inches	Bare OD mm	mm^2 Circular Mill Area	Nom. Lb/mft Bare
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
$50mm^2$-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
$95mm^2$-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	7x7x43/30awg	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
$250mm^2$-1554	37/42/.0177	0.905	23.0	246.7	1,504

Size-Strands	Construction	Bare OD Inches	Bare OD mm	mm^2 Circular Mill Area	Nom. Lb/mft Bare
500-427	61×7/.0342	0.923	23.4	253.1	1,613
300mm^2-1525	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^2-1961	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^2-2442	37×66/24ga	1.270	32.3	499.9	3,076
1000-703	37×19/0377	1.320	33.5	506.3	3,206