

# ***TE-20001 Connectors***

## ***Long-Barrel Lug-Type Terminations***



The TE-20001 Long-barrel Connectors are one-hole or two-hole compression-type terminators. They are available in straight, 45° bend or 90° bend configurations and are intended for use with copper power wire sizes ranging from 14 AWG to 750kCMil. They can be used with both Class I and Class B stranded flexible power wire.

### ***Features***

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- Long crimping barrel
- High conductivity
- Seamless, tubular copper construction
- Corrosion-resistant, tin-plated
- High-compression termination design
- Accurate color-coding scheme
- Single or dual mounting holes
- Wire-seat inspection window
- Exceeds commercial and UL requirements
- Narrow tongue feature available in some sizes

**Extra Connection Strength**

The long crimping barrel of the TE-20001 connectors provides additional strength for earthquake zones and other high stress environments. Providing maximum reliability, the connection strength far exceeds minimum UL\* requirements.

**High Conductivity**

The connectors are fabricated using seamless, tubular copper for excellent conductivity and reliability. Tin plating preserves connector integrity and also prevents corrosion. In addition, the connectors are specified for extra margins of safety to minimize the risk of overheating.

**Easy, Accurate Installation**

Intended for use in power equipment and central office power system installations, TE-20001 connectors are designed to be installed using UL- or CSA†-approved compression tools and dies. A color-coding scheme matches terminal and die sets to provide the correct number and location of crimps, reducing errors and ensuring proper installation. Color-coded barrels are matched with Class I and Class B stranding, which are UL-listed with tooling, as indicated by the specification.

**Benefits**

- Extra connection strength for earthquake zones and other high stress environments
- Provides highly reliable electromechanical connections for high-energy applications
- Minimizes the risk of overheating
- Designed for fast, simple, error-free installation
- High quality ensured by strict testing and qualification procedures
- Exceeds applicable Telecordia requirements
- UL-listed with Lineage Power's KS power wires for Class I stranding and standard Class B Stranding
- Compatible with UL or CSA-approved crimp compression tools
- UL-listed with tooling identified in the power data sheets of the TE-20001 specification

\* UL is a registered trademark of Underwriters Laboratories, Inc.

† CSA is a registered trademark of the Canadian Standards Association, Inc.



Lineage Power offers TE-20001 in one-hole or two-hole, 90°, 45°, and straight configurations

**Ordering Information**

TE-20001 List No.	Comcode	Class B Wire Size (AWG)	Class I Wire Size (AWG)	Bolt Size (ASTM)	Bolt Size (mm <sup>2</sup> )	Hole Spacing (inches)	Hole Spacing (mm <sup>2</sup> )	Degree of Bend	Tongue Width
L-1	848659074	10-14	10-14	8-10	M5	—	—	—	0.41
L-2	848659165	10-14	10-14	1/4"	M6	5/8"	15.88	—	0.41
L-3	848659173	10-14	10-14	1/4"	M6	5/8"	15.88	90	0.41
L-4	848659181	10-14	10-14	1/4"	M6	3/4"	19.05	—	0.41
L-5	848659199	#8	#8	#10	M5	—	—	—	0.41
L-6	848659207	#8	#8	1/4"	M6	—	—	—	0.44
L-7	848659215	#8	#8	#10	M5	5/8"	15.88	—	0.41
L-8	848659223	#8	#8	#10	M5	3/4"	19.05	—	0.41
L-9	848659231	#8	#8	1/4"	M6	5/8"	15.88	—	0.44
L-10	848659249	#8	#8	1/4"	M6	3/4"	19.05	—	0.44
L-11	848659256	#8	#8	1/4"	M6	1"	25.4	—	0.44
L-12	848659264	#8	#8	3/8"	M10	1"	25.4	—	0.58
L-13	848659280	#6	#6	1/4"	M6	—	—	—	0.48
L-14	848659298	#6	#6	1/4"	M6	—	—	45	0.48
L-15	848659306	#6	#6	1/4"	M6	—	—	90	0.48
L-16	848659314	#6	#6	3/8"	M10	—	—	—	0.58
L-17	848659322	#6	#6	#10	M5	3/4"	19.05	—	0.48
L-18	848659330	#6	#6	1/4"	M6	5/8"	15.88	—	0.48
L-19	848659348	#6	#6	1/4"	M6	5/8"	15.88	90	0.48
L-20	848659355	#6	#6	1/4"	M6	3/4"	19.05	—	0.48
L-21	848659363	#6	#6	1/4"	M6	1"	25.4	—	0.48
L-22	848659371	#6	#6	3/8"	M10	1"	25.4	—	0.58
L-23	848659413	#4	#4	1/4"	M6	—	—	—	0.55
L-24	848659421	#4	#4	1/4"	M6	—	—	90	0.55
L-26	848659447	#4	#4	1/4"	M6	5/8"	15.88	—	0.55
L-25	848659439	#4	#4	3/8"	M1	—	—	—	0.58
L-27	848659470	#4	#4	3/8"	M10	1"	25.4	—	0.58
L-28	848659488	#2	—	1/4"	M6	—	—	—	0.60
L-29	848659496	#2	—	1/4"	M6	—	—	45	0.60
L-30	848659504	#2	—	1/4"	M6	—	—	90	0.60
L-32	848659520	#2	—	1/4"	M6	5/8"	15.88	—	0.60
L-33	848659538	#2	—	1/4"	M6	3/4"	19.05	—	0.60
L-34	848659546	#2	—	1/4"	M6	1"	25.4	—	0.60
L-35	848659553	#2	—	5/16"	M8	1"	25.4	—	0.60
L-31	848659512	#2	—	3/8"	M10	—	—	—	0.60
L-36	848659561	#2	—	3/8"	M10	1"	25.4	—	0.60
L-37	848659579	#2	—	1/2"	M12	1-3/4"	44.45	—	0.83
L-38	848659587	#2	#2	1/4"	M6	—	—	—	0.68
L-40	848659603	#2	#2	1/4"	M6	5/8"	15.88	—	0.68
L-39	848659595	#2	#2	3/8"	M10	—	—	—	0.68
L-41	848659611	#2	#2	3/8"	M10	1"	25.4	—	0.68
L-42	848659629	1/0	—	1/4"	M6	5/8"	15.88	—	0.75
L-43	848659637	1/0	—	3/8"	M10	1"	25.4	—	0.75
L-44	848659645	1/0	—	3/8"	M10	1"	25.4	90	0.75
L-45	848659652	1/0	—	1/2"	M12	1-3/4"	44.45	—	0.83
L-46	848659660	1/0	1/0	3/8"	M10	1"	25.4	—	0.83
L-47	848659678	1/0	1/0	1/2"	M12	1-3/4"	44.45	—	0.83
L-48	848659686	2/0	—	3/8"	M10	—	—	—	0.83

Ordering Information (continued)

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L-49	848659694	2/0	—	1/4"	M6	5/8"	15.88	—	0.83
L-50	848659702	2/0	—	1/4"	M6	3/4"	19.05	—	0.83
L-51	848659710	2/0	—	3/8"	M10	1"	25.4	—	0.83
L-52	848659728	2/0	—	1/2"	M12	1-3/4"	44.45	—	0.83
L-53	848659736	2/0	2/0	3/8"	M10	1"	25.4	—	0.93
L-54	848659744	2/0	2/0	1/2"	M12	1-2/4"	44.45	—	0.93
L-55	848659819	4/0	—	1/4"	M6	3/4"	19.05	—	1.02
L-56	848659827	4/0	—	3/8"	M10	1"	25.4	—	1.02
L-57	848659843	4/0	—	1/2"	M12	1-3/4"	44.45	—	1.02
L-58	848659850	—	4/0	1/4"	M6	3/4"	19.05	—	1.12
L-59	848659868	—	4/0	3/8"	M10	1"	25.4	—	1.12
L-60	848659876	—	4/0	1/2"	M12	1-3/4"	44.45	—	1.20
L-61	848659884	350 kcmil	—	3/8"	M10	1"	25.4	—	1.29
L-62	848659892	350 kcmil	—	1/2"	M12	1-3/4"	44.45	—	1.29
L-63	848659900	—	350 kcmil	3/8"	M10	1"	25.4	—	0.96
L-64	848659934	—	350 kcmil	3/8"	M10	1"	25.4	—	1.55
L-65	848659942	—	350 kcmil	1/2"	M12	1-3/4"	44.45	—	1.55
L-66	848659959	500 kcmil	—	3/8"	M10	1"	25.4	—	1.55
L-67	848659975	500 kcmil	—	1/2"	M12	1-3/4"	44.45	—	1.55
L-68	848659991	—	500 kcmil	3/8"	M10	1"	—	—	1.63
L-69	848660015	—	500 kcmil	1/2"	M12	1-3/4"	44.45	—	1.63
L-70	848660023	—	500 kcmil	1/2"	M12	1-3/4"	44.45	90	1.63
L-71	848660049	750 kcmil	—	3/8"	M10	1"	25.4	—	1.63
L-72	848660072	750 kcmil	—	1/2"	M12	1-3/4"	44.45	—	1.63
L-73	848660080	—	750 kcmil	3/8"	M10	1"	25.4	—	1.63
L-74	848660106	—	750 kcmil	1/2"	M12	1-3/4"	44.45	—	1.63

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