



CONDUIT BODY WIRE PULLING

Installation & Maintenance Information

IF 863

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

The following procedures should be used to insure the reliability of wiring pulled through conduit bodies.

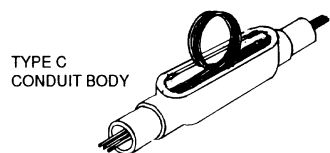
1. Use approved wire pulling compound that is compatible with wire insulation.
2. Start by pulling all the wires through one hub and train the wires through the cover opening.
3. Loop the wires in a large circle as shown on the attached sketch and feed through the other hub.
4. Pull all the wires together until the loop is approximately 6" in diameter for 2" trade size or less and 10 times the O.D. of the largest wire for 2 1/2" trade size and larger.
5. Flip the loop 180° into a training loop. (Make sure the wires are not crossed.) Pull out the loop one wire at a time. It is best to start pulling out the training loop using the wires closest to the inside of the loop.
6. Do not pull the wires taut or any tighter than necessary to place the cover on the conduit body.

7. Station a person at the "training loop" to safely guide the wires during pulling. To prevent insulation damage use a blunt tool, if necessary, to keep the wire from binding or jamming. The use of a well rounded tool, such as a length of conduit or a round dowel, will assist in turning the loop while preventing damage to the wire insulation.

WARNING Once the training loop is pulled out, release the tension on the wires.

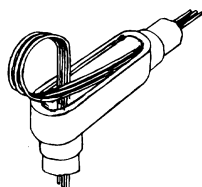
To determine the maximum size and number of wires that can be safely pulled for a given conduit body, consult the listing on the back side.

On the back are catalog numbers together with the maximum AWG wire size permitted. These sizes are based on three conductors, type XHHW. When using other types of insulation, which may change the total cross-sectional area of the insulated conductor, consult Chapter 9 of the National Electrical Code to avoid exceeding recommended wire fills.

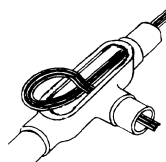


TYPE C
CONDUIT BODY

TYPE LB
CONDUIT BODY



TYPE T
CONDUIT BODY



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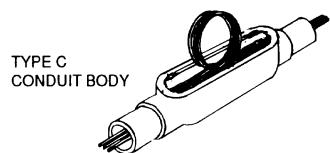
1. Use approved wire pulling compound that is compatible with wire insulation.
2. Start by pulling all the wires through one hub and train the wires through the cover opening.
3. Loop the wires in a large circle as shown on the attached sketch and feed through the other hub.
4. Pull all the wires together until the loop is approximately 6" in diameter for 2" trade size or less and 10 times the O.D. of the largest wire for 2 1/2" trade size and larger.
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WARNING Once the training loop is pulled out, release the tension on the wires.

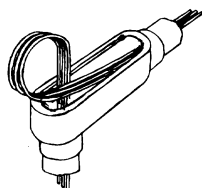
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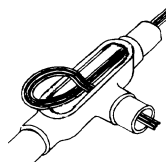


TYPE C
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TYPE LB
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TYPE T
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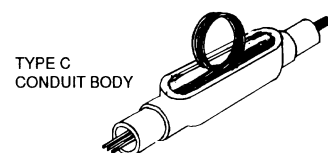
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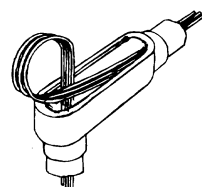
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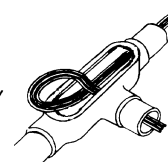


TYPE C
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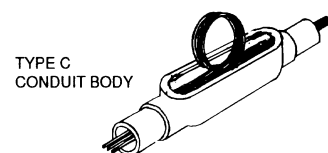
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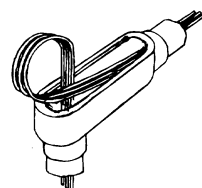
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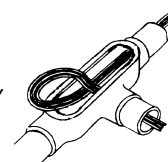


TYPE C
CONDUIT BODY

TYPE LB
CONDUIT BODY



TYPE T
CONDUIT BODY



LB17-N.A.	L47-#2	E17-N.A.	T38-#4-#4	X28-#6-#6	C789-250MCM	T889-250-250MCM	BUB7-300MCM	LB17-N.A.	L47-#2	E17-N.A.	T38-#4-#4	X28-#6-#6	C789-250MCM	T889-250-250MCM	BUB7-300MCM
LB27-#6	L57-#2	E27-#6	T448-#2-#2	X38-#4-#4	C889-250MCM	T989-350-350MCM	BUB8-500MCM	LB27-#6	L57-#2	E27-#6	T448-#2-#2	X38-#4-#4	C889-250MCM	T989-350-350MCM	BUB8-500MCM
LB37-#4	L67-#2	E37-#4	T58-#1-1/0	X448-#2-#2	C989-350MCM	T1089-350-350MCM	BUB9-500MCM	LB37-#4	L67-#2	E37-#4	T58-#1-1/0	X448-#2-#2	C989-350MCM	T1089-350-350MCM	BUB9-500MCM
LB47-#3	LL17-N.A.	T17-N.A.	T68-3/0-4/0	X58-#1-1/0	C1089-350MCM	350MCM	BUB10-500MCM	LB47-#3	LL17-N.A.	T17-N.A.	T68-3/0-4/0	X58-#1-1/0	C1089-350MCM	350MCM	BUB10-500MCM
LB57-#1	LL27-#6	TA27-#6-#6	T78-250-250MCM	X68-3/0-4/0	LL19-N.A.	X19-N.A.		LB57-#1	LL27-#6	TA27-#6-#6	T78-250-250MCM	X68-3/0-4/0	LL19-N.A.	X19-N.A.	
LB67-1/0	LL37-#4	TA37-#4-#4	T88-250-250MCM	TB18-N.A.	LL29-#6	X29-#6-#6	BT3-#4-#4	LB67-1/0	LL37-#4	TA37-#4-#4	T88-250-250MCM	TB18-N.A.	LL29-#6	X29-#6-#6	BT3-#4-#4
LB777-3/0	LL47-#2	TA47-#2-#3	C18-N.A.	TB29-#6-#6	LL39-#4	X39-#4-#4	BT4-#2-#2	LB777-3/0	LL47-#2	TA47-#2-#3	C18-N.A.	TB29-#6-#6	LL39-#4	X39-#4-#4	BT4-#2-#2
LB87-3/0	LL57-#2	TA57-#2-#2	C28-#6	TB38-#4-#4	LL49-#2	TB19-N.A.	BT5-1/0-1/0	LB87-3/0	LL57-#2	TA57-#2-#2	C28-#6	TB38-#4-#4	LL49-#2	TB19-N.A.	BT5-1/0-1/0
LB97-300MCM	LL67-3/0	TA67-#2-1/0	C38-#4	TB48-#2-#2	LL59-1/0	TB29-#6-#6	BT6-4/0-4/0	LB97-300MCM	LL67-3/0	TA67-#2-1/0	C38-#4	TB48-#2-#2	LL59-1/0	TB29-#6-#6	BT6-4/0-4/0
LB107-300MCM	LL777-250MCM	TB17-N.A.	C448-#2	TB58-#1-1/0	LL69-4/0	TB39-#4-#4	BT7-300-300MCM	LB107-300MCM	LL777-250MCM	TB17-N.A.	C448-#2	TB58-#1-1/0	LL69-4/0	TB39-#4-#4	BT7-300-300MCM
T17-N.A.	LL87-250MCM	TB27-#6-#6	C58-1/0	TB68-3/0-4/0	LL789-300MCM	TB49-#2-#2	BT8-300-350MCM	T17-N.A.	LL87-250MCM	TB27-#6-#6	C58-1/0	TB68-3/0-4/0	LL789-300MCM	TB49-#2-#2	BT8-300-350MCM
T27-#6-#6	LL97-350MCM	TB37-#4-#4	C68-4/0	All of the above may	LL889-350MCM	BLB3-#4	BT9-350-350MCM	T27-#6-#6	LL97-350MCM	TB37-#4-#4	C68-4/0	All of the above may	LL889-350MCM	BLB3-#4	BT9-350-350MCM
T37-#4-#4	LL107-350MCM	TB47-#2-#3	C78-250MCM	have suffix	LL989-350MCM	BLB4-#2	BT10-350-350MCM	T37-#4-#4	LL107-350MCM	TB47-#2-#3	C78-250MCM	have suffix	LL989-350MCM	BLB4-#2	BT10-350-350MCM
T47-#2-#3	LR17-N.A.	TB57-#2-#2	C88-250MCM	-SA, -SBZ, -BR	LL1089-350MCM	BLB5-1/0	All of the above may	T47-#2-#3	LR17-N.A.	TB57-#2-#2	C88-250MCM	-SA, -SBZ, -BR	LL1089-350MCM	BLB5-1/0	All of the above may
T57-#2-#2	LR27-#6	TB67-#2-1/0	LL18-N.A.	LL18-N.A.	LR19-N.A.	BLB6-4/0	have the suffix -SA.	T57-#2-#2	LR27-#6	TB67-#2-1/0	LL18-N.A.	LL18-N.A.	LR19-N.A.	BLB6-4/0	have the suffix -SA.
T67-#2-1/0	LR37-#4	All of the above may	LL28-#6	LB19-N.A.	LR29-#6	BLB7-300MCM		T67-#2-1/0	LR37-#4	All of the above may	LL28-#6	LB19-N.A.	LR29-#6	BLB7-300MCM	
T777-1/0-2/0	LR47-#2	have suffix	LL38-#4	LB29-#6	LR39-#4	BLB8-500MCM	LB01100-N.A.	T777-1/0-2/0	LR47-#2	have suffix	LL38-#4	LB29-#6	LR39-#4	BLB8-500MCM	LB01100-N.A.
T87-1/0-2/0	LR57-#0	-SA, -SBZ, -BR	LL448-#2	LB39-#6	LR49-#2	BLB9-500MCM	LB02200-#6	T87-1/0-2/0	LR57-#0	-SA, -SBZ, -BR	LL448-#2	LB39-#6	LR49-#2	BLB9-500MCM	LB02200-#6
T97-3/0-250MCM	LR67-3/0	LB18-N.A.	LL58-1/0	LB49-#3	LR59-#2	BLB10-500MCM	LB03300-#4	T97-3/0-250MCM	LR67-3/0	LB18-N.A.	LL58-1/0	LB49-#3	LR59-#2	BLB10-500MCM	LB03300-#4
T107-3/0-250MCM	LR777-250MCM	LB28-#6	LL68-2/0	LB59-1/0	LR69-#1	BC3-#4	LB04400-#2	T107-3/0-250MCM	LR777-250MCM	LB28-#6	LL68-2/0	LB59-1/0	LR69-#1	BC3-#4	LB04400-#2
C17-N.A.	LR87-250MCM	LB38-#4	LL78-250MCM	LB69-3/0	LR789-250MCM	BC4-#2	LB05500-1/0	C17-N.A.	LR87-250MCM	LB38-#4	LL78-250MCM	LB69-3/0	LR789-250MCM	BC4-#2	LB05500-1/0
C27-#6	LR97-350MCM	LB48-#2	LL888-250MCM	LB789-300MCM	LR889-250MCM	BC5-1/0	LB06600-4/0	C27-#6	LR97-350MCM	LB48-#2	LL888-250MCM	LB789-300MCM	LR889-250MCM	BC5-1/0	LB06600-4/0
C37-#4	LR107-350MCM	LB48-#2	LR18-N.A.	LB889-350MCM	LR989-350MCM	BC6-4/0	LB07700-300MCM	C37-#4	LR107-350MCM	LB48-#2	LR18-N.A.	LB889-350MCM	LR989-350MCM	BC6-4/0	LB07700-300MCM
C47-#3	X17-N.A.	LB58-1/0	LR28-#6	LB989-400MCM	LR1089-350MCM	BC7-300MCM	LB08800-500MCM	C47-#3	X17-N.A.	LB58-1/0	LR28-#6	LB989-400MCM	LR1089-350MCM	BC7-300MCM	LB08800-500MCM
C57-#2	X27-#6-#6	LB68-4/0	LR38-#4	LB1089-400MCM	T19-N.A.-N.A.	BC8-350MCM	LB09900-500MCM	C57-#2	X27-#6-#6	LB68-4/0	LR38-#4	LB1089-400MCM	T19-N.A.-N.A.	BC8-350MCM	LB09900-500MCM
C67-1/0	X37-#4-#4	LB78-300MCM	LR48-#2	C19-N.A.	T29-#6-#6	BC9-250MCM	LB010900-500MCM	C67-1/0	X37-#4-#4	LB78-300MCM	LR48-#2	C19-N.A.	T29-#6-#6	BC9-250MCM	LB010900-500MCM
C77-2/0	X47-#2-#3	LB888-350MCM	LR58-1/0	C29-#6	T39-#4-#4	BC10-350MCM	LB0012-500MCM	C77-2/0	X47-#2-#3	LB888-350MCM	LR58-1/0	C29-#6	T39-#4-#4	BC10-350MCM	LB0012-500MCM
C87-2/0	X57-#2-#2	LB98-500MCM	LR68-2/0	C39-#4	T49-#2-#2	BUB3-#4	LB0014-500MCM	C87-2/0	X57-#2-#2	LB98-500MCM	LR68-2/0	C39-#4	T49-#2-#2	BUB3-#4	LB0014-500MCM
L17-N.A.	X67-#2-1/0	LB108-500MCM	LR78-250MCM	C49-#2	T59-#2-1/0	BUB4-#2	All of the above may	L17-N.A.	X67-#2-1/0	LB108-500MCM	LR78-250MCM	C49-#2	T59-#2-1/0	BUB4-#2	All of the above may
L27-#6	X87-1/0-2/0	LB188-250MCM	T18-N.A.	C59-1/0	T69-#1-2/0	BUB5-1/0	have the suffix -SA.	L27-#6	X87-1/0-2/0	LB188-250MCM	T18-N.A.	C59-1/0	T69-#1-2/0	BUB5-1/0	have the suffix -SA.
L37-#4	X107-3/0-250MCM	T28-#6-#6	X18-N.A.	C69-2/0	T789-250-250MCM	BUB6-4/0		L37-#4	X107-3/0-250MCM	T28-#6-#6	X18-N.A.	C69-2/0	T789-250-250MCM	BUB6-4/0	

NOTE: When the product has both straight through and side hub(s), the first AWG size given is for wiring using one side hub and one end (through) hub - the second AWG size listed is for through wiring (both end hubs) only.

N.A. - Not Applicable. Use the conduit fill tables in Chapter 9 of the National Electrical Code.

All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed. In accordance with Crouse-Hinds "Terms and Conditions of Sale", and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his intended use and assumes all risk and liability whatsoever in connection therewith.



Cooper Industries Inc.
Crouse-Hinds Division
PO Box 4999
Syracuse, New York 13221 • U.S.A.

IF 863
Revised 9/96
Supersedes 7/80
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LB17-N.A.	L47-#2	E17-N.A.	T38-#4-#4	X28-#6-#6	C789-250MCM	T889-250-250MCM	BUB7-300MCM
LB27-#6	L57-#2	E27-#6	T448-#2-#2	X38-#4-#4	C889-250MCM	T989-350-350MCM	BUB8-500MCM
LB37-#4	L67-#2	E37-#4	T58-#1-1/0	X448-#2-#2	C989-350MCM	T1089-350-350MCM	BUB9-500MCM
LB47-#3	LL17-N.A.	T17-N.A.	T68-3/0-4/0	X58-#1-1/0	C1089-350MCM	350MCM	BUB10-500MCM
LB57-#1	LL27-#6	TA27-#6-#6	T78-250-250MCM	X68-3/0-4/0	LL19-N.A.	X19-N.A.	
LB67-1/0	LL37-#4	TA37-#4-#4	T88-250-250MCM	TB18-N.A.	LL29-#6	X29-#6-#6	BT3-#4-#4
LB777-3/0	LL47-#2	TA47-#2-#3	C18-N.A.	TB28-#6-#6	LL39-#4	X39-#4-#4	BT4-#2-#2
LB87-3/0	LL57-#2	TA57-#2-#2	C28-#6	TB38-#4-#4	LL49-#2	TB19-N.A.	BT5-1/0-1/0
LB97-300MCM	LL67-3/0	TA67-#2-1/0	C38-#4	TB48-#2-#2	LL59-1/0	TB29-#6-#6	BT6-4/0-4/0
LB107-300MCM	LL777-250MCM	TB17-N.A.	C448-#2	TB58-#1-1/0	LL69-4/0	TB39-#4-#4	BT7-300-300MCM
T17-N.A.	LL87-250MCM	TB27-#6-#6	C58-1/0	TB68-3/0-4/0	LL789-300MCM	TB49-#2-#2	BT8-300-350MCM
T27-#6-#6	LL97-350MCM	TB37-#4-#4	C68-4/0	All of the above may	LL889-350MCM	BLB3-#4	BT9-350-350MCM
T37-#4-#4	LL107-350MCM	TB47-#2-#3	C78-250MCM	have suffix	LL989-350MCM	BLB4-#2	BT10-350-350MCM
T47-#2-#3	LR17-N.A.	TB57-#2-#2	C88-250MCM	-SA, -SBZ, -BR	LL1089-350MCM	BLB5-1/0	All of the above may
T57-#2-#2	LR27-#6	TB67-#2-1/0	LL18-N.A.		LR19-N.A.	BLB6-4/0	have the suffix -SA.
T67-#2-1/0	LR37-#4	All of the above may	LL28-#6	LB19-N.A.	LR29-#6	BLB7-300MCM	
T777-1/0-2/0	LR47-#2	have suffix	LL38-#4	LB29-#6	LR39-#4	BLB8-500MCM	LB01100-N.A.
T87-1/0-2/0	LR57-#0	-SA, -SBZ, -BR	LL448-#2	LB39-#6	LR49-#2	BLB9-500MCM	LB02200-#6
T97-3/0-250MCM	LR67-3/0		LL58-1/0	LB49-#3	LR59-#2	BLB10-500MCM	LB03300-#4
T107-3/0-250MCM	LR777-250MCM	LB18-N.A.	LL68-2/0	LB59-1/0	LR69-#1	BC3-#4	LB04400-#2
C17-N.A.	LR87-250MCM	LB28-#6	LL78-250MCM	LB69-3/0	LR789-250MCM	BC4-#2	LB05500-1/0
C27-#6	LR97-350MCM	LB38-#4	LL888-250MCM	LB789-300MCM	LR889-250MCM	BC5-1/0	LB06600-4/0
C37-#4	LR107-350MCM	LB48-#2	LR18-N.A.	LB889-350MCM	LR989-350MCM	BC6-4/0	LB07700-300MCM
C47-#3	X17-N.A.	LB58-1/0	LR28-#6	LB989-400MCM	LR1089-350MCM	BC7-300MCM	LB08800-500MCM
C57-#2	X27-#6-#6	LB68-4/0	LR38-#4	LB1089-400MCM	T19-N.A.-N.A.	BC8-350MCM	LB09900-500MCM
C67-1/0	X37-#4-#4	LB78-300MCM	LR48-#2	C19-N.A.	T29-#6-#6	BC9-250MCM	LB010900-500MCM
C77-2/0	X47-#2-#3	LB888-350MCM	LR58-1/0	C29-#6	T39-#4-#4	BC10-350MCM	LB0012-500MCM
C87-2/0	X57-#2-#2	LB98-500MCM	LR68-2/0	C39-#4	T49-#2-#2	BUB3-#4	LB0014-500MCM
L17-N.A.	X67-#2-1/0	LB108-500MCM	LR78-250MCM	C49-#2	T59-#2-1/0	BUB4-#2	All of the above may
L27-#6	X87-1/0-2/0	T18-N.A.	LR888-250MCM	C59-1/0	T69-#1-2/0	BUB5-1/0	have the suffix -SA.
L37-#4	X107-3/0-250MCM	T28-#6-#6	X18-N.A.	C69-2/0	T789-250-250MCM	BUB6-4/0	