UTILCO connections matter

UTILCO LINEMAN TOOLS

Standards Guide 6 ton W Die Tools with ILSCO Connectors

UL LISTED

CSA

BLL-WBG, BLL-WD3, BLL-WO







Introduction

Connections made with specified crimp tools, conducters, and connectors indicated in the charts produce cULus certified crimps per UL & CSA standards.



+ Crimps +



+



= LISTED and/ or

Tool	Crimp	Connector	Conductor/Wire
• Manufacturer • Catalog number	• # of crimps	• Manufacturer • Catalog number or type and size	• Material • Class • Size

UL Listing

- Resides with the connector
- Connectors are listed with tools (and dies when applicable)
- Only the manufacturer of the connector can get a UL listing
- UL486A-B- Power Standard
- UL467- Grounding & Bonding Equipment Standard

UL Classification

- Resides with the tool
- Any tool manufactorer can get a UL classification
- Requires the same level of testing as the UL listing
- UL1976 for power and/or bonding & grounding
- Just because a tool manufacturer has the UL1976, doesn‘t mean their tool has been tested and are approved for bonding & grounding applications

CSA Certification

- Resides with the connector
- Connectors are listed with tools (and dies when applicable)
- Only the manufactorurer of the connector can get a CSA certification
- CSA22.2 No 65 - Power Standard
- CSA22.2 NO 41- Grounding & Bonding Standard

INFORMATION SHEET

Compression Grounding Copper C-Tap Thin Wall for Copper Conductors

Suitable for Direct Burial in Earth or Concrete

Tooling Information

Connnector / Wire Combinations (Cu only)

Catalog Number	Accommodates		Color Code	UTILCO Tools Hydraulic 6 Ton W-die Hydraulic BLL-WBG series, BLL-WD3 series, BLL-WO series		Burndy Tools Hydraulic 6 Ton W-die Hydraulic Y500CT series, PAT600 series, PATMD6 series		Panduit Tools 6 Ton W-die Hydraulic CT-2001, CT-2002	Wire Strip Length
	Run	Tap		ILSCO Die No. Index # (# crimps)	Burndy Die No. Index # (# crimps)	Die No. Index # (# crimps)	Die No. Index # (# crimps)	Die No. Die Color & No. (# crimps)	
TWCTR10T16	14 Str	16 Str - 14 Str	Red	"ILD-W21 21 (1)"	"W8CVT 49 (1)"	"W8CVT 49 (1)"		"CD-2001-8 Red P21 (1)"	1"
	12 Str	16 Str - 14 Str							
	10 Str	14 Str							
TWCTR8T12	10 Str	10 Str	Blue	"ILD-W24 24 (1)"	"W5CVT 7 (1)"	"W5CVT 7 (1)"		"CD-2001-6 Blue P24 (1)"	1-1/8"
	8 Str	12 Str							
TWCTR6T12	8 Str	10 Str - 8 Str	Gray	"ILD-W29 29 (1)"	"W4CVT 8 (1)"	"W4CVT 8 (1)"		"CD-2001-4 Gray P29 (1)"	1-1/8"
	6 Str	12 Str - 10 Str							
TWCTR4T12	6 Str	8 Str - 6 Str	Brown	"ILD-W33 33 (1)"	"W2CVT 10 (2)"	"W2CVT 10 (2)"	"WC4 10M (1)"	"CD-2001-2 Brown P33 (2)"	1-3/4"
	5 Str - 4 Str	12 Str - 8 Str							
TWCTR3T12	5 Str - 4 Str	6 Str - 5 Str	Green	"ILD-W37 37 (1)"	"W1CVT 11 (2)"	"W1CVT 11 (2)"		"CD-2001-1 Green P37 (2)"	1-3/4"
	3 Str	12 Str - 6 Str							
TWCTR2T12	4 Str	4 Str	Pink	"ILD-W42 42 (1)"	"W25VT 12 (2)"	"W25VT 12 (2)"	"WC2 12M (1)"	"CD-2001-1/0 Pink P42 (2)"	1-3/4"
	3 Str	5 Str							
	2 Str	12 Str - 6 Str							
TWCTR1T12	3 Str	4 Str - 3 Str	Black	"ILD-W45 45 (1)"	"W26VT 13 (3)"	"W26VT 13 (3)"	"WC1 13M (2)"	"CD-2001-2/0 Black P45 (3)"	2-1/4"
	2 Str	5 Str - 4 Str							
	1 Str	12 Str - 5 Str							
TWCTR1/0T12	2 Str/Sol	2 Str/Sol - 3 Str/Sol	Orange	"ILD-W50 50 (1)"	"W27VT 14 (3)"	"W27VT 14 (3)"	"WC25 14M (2)"	"CD-2001-3/0 Orange P50 (3)"	2-1/4"
	1 Str/Sol	4 Str/Sol - 3 Str/Sol							
	1/0 Str/Sol	12 Str/Sol - 4 Str/ Sol							
TWCTR2/0T12	1 Str	2 Str - 1 Str	Purple	"ILD-W54 54 (1)"	"W28VT 15 (3)"	"W28VT 15 (3)"		"CD-2001-4/0 Purple P54 (3)"	2-1/4"
	1/0 Str	3 Str - 2 Str							
	2/0 Str	12 Str - 3 Str							
TWCTR3/0T12	1/0 Str	1 Str - 1/0 Str	Yellow	"ILD-W62 62 (1)"	"W29VT 16 (3)"	"W29VT 16 (3)"		"CD-2001-250 Yellow P62 (3)"	2-1/4"
	2/0 Str	2 Str - 1 Str							
	3/0 Str	12 Str - 2 Str							

Notes:

1. The TWCT series are designed to connect two copper ground conductors.

2. The TWCT series are suitable for direct burial.

INFORMATION SHEET

Series ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN[a]

Compression Connectors for Aluminum or Copper Conductor

Tooling Information

			UTILCO		BURNDY	
			BLL-W Series[a]		Y500CT-HS, PAT600	
Lug/Splice Size	**Wire Size**	**Color Code**	**Die Code**	**Crimps**	**Die Code**	**Crimps**
8	8 AWG	Blue	ILD-W374	1	X8CART	1
6	6 AWG	Gray	ILD-W346	1	W161	1
4	4 AWG	Green	ILD-W375	2	W162	2
2	2 AWG	Pink	ILD-W348	2	W239	2
1	1 AWG	Gold	ILD-W471	2	W163	2
1/0	1/0 AWG	Tan	ILD-W296	2	W241	2
2/0	2/0 AWG	Olive	ILD-W297	3	W245	2
3/0	3/0 AWG	Ruby	ILD-W467	3	W166	2
4/0	4/0 AWG	White	ILD-W298	3	W660	2
250	250 kcmil	Red	ILD-W324	3		
300	300 kcmil	Blue	ILD-W470	3		
350	350 kcmil	Brown	ILD-W299	3	W31ART	3
400	400 kcmil	Green				
500	500 kcmil	Pink				
600	600 kcmil	Black				
700/750	700/750 kcmil	Yellow				
700/750g	900 kcmil Compact Al	Yellow				
1000	1000 kcmil	Brown				

Additional Information:

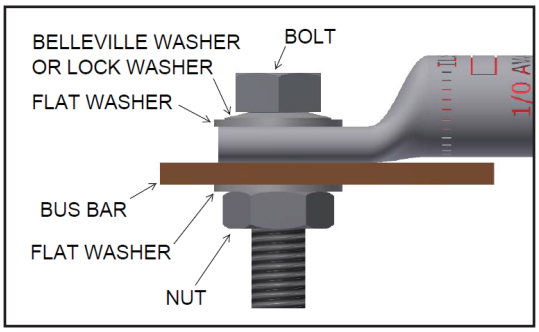
1) The ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN connectors are marked with the die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly space on connector.

2) Consult manufacturers data for catalog numbers of dies for each tool.

[a] For ALND, ALNN, ALNS and ASN series only.

Connector Installation

1. Select proper connector for the wire size to be used. Series can be used with concentric, compressed or compact aluminum or copper wire.
2. Strip wire insulation using an approved method. Do not nick or ring the wire. Remove any major coating on the wire.
3. Remove surface oxides from the wire with a wire brush.
4. Insert wire all the way into the barrel of the connector.
5. Select the proper die for approved tool. See chart above for approved tools and dies. Compress barrel from tang toward wire, or from inside of ASN connector towards wire.
6. When terminating an aluminum connector to a steel or copper stud, use a belleville or compression type washer in combination with a flat washer. Tighten until the belleville washer is flat.



INFORMATION SHEET (SERIES CT and CTL)

Compression Connectors for Class B/C Copper Wire Only (CU9)

WARNING! Do Not Use with Aluminum Wire

LISTED 453G LR-29601

Tooling Information

		UTILCO		Panduit Tools		
		BLL-6W Series 6 Ton		CAUTION: See Note (f) below CT-2001		
Splice Size	**Color Code**	**Die Part #**	**# Crimps**	**Index #**	**# Crimps**	**Splice Size**
8 ** †	Red	ILD-W21	1	Red P21	1	8 ** †
6 ** †	Blue (p)	ILD-W24	1	Blue P24	1	6 ** †
4 ** †	Gray	ILD-W29	1	Gray P29	1	4 ** †
3 **	White	ILD-W29	1	Gray P29	1	3 **
2 ** †	Brown	ILD-W33	1	Brown P33	1	2 ** †
1 **	Green	ILD-W37	1	Green P37	1	1 **
1/0 **	Pink	ILD-W42	1	Pink P42	1	1/0 **
2/0 **	Black	ILD-W45	1	Black P45	1	2/0 **
3/0 **	Orange	ILD-W50	1	Orange P50	1	3/0 **
4/0 **	Purple	ILD-W54	1	Purple P54	1	4/0 **
250 **	Yellow	ILD-W62	2	Yellow P62	1	250 **
300 **	White	ILD-W66	2	White P66	1	300 **
350 **	Red	ILD-W71	2	Red P71	1	350 **
400 **	Blue	ILD-W76	2			400 **
500 **	Brown	ILD-W87	2			500 **
600	Green					600
650	Pink					650
700	Pink					700
750	Black					750
1000	White					1000

* Crimps will overlap ** See note f below † See note k below

UL Listed and CSA Certified when installed with tools and dies shown above

a) Number of crimps shown on chart must be on each end of the CT splicer connectors.

b) The CT connectors are marked with color, the die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.

c) The ILSCO 94285, MT-25 and all dieless tools are not color coded or do not contain the die index.

d) Consult manufacturers data for catalog numbers of dies for each tool.

e) Strip Length = Barrel Length + 1/16 Inch

f) UL Complimentary Listed under category KDER and CSA Certified for Grounding & Bonding Applications, suitable for direct burial
EXCEPTION: Use of T&B TBM8-750 Series, WT115A or Panduit CT-1700, CT-2001 tools voids the Grounding & Bonding Certifications.

g) For long barrel (CTL) connectors add one additional crimp to each side of barrel.

h) For #4 Compact Copper wire, 2 crimps are required for standard barrel connectors. (See note (g) above for long barrel (CTL) connectors.)

k) Rated for stranded or solid wire.

m) For solid wire only use table below:

Lug Size	Index #	# Crimps
6	Blue	2
4	Blue	2
2	Brown	2

p) CT, CTL series #6 splice is also UL listed and CSA certified when crimped with red die (die index 21) using ILSCO ILC-12 series, ILC-15H, ILC-30H or Ridgid RE 12-M crimp tools.

q) Burndy dies are UL listed and CSA certified to be use with ILSCO 12 Ton hydraulic die-taking tools and UTILCO 12 Ton hydraulic die-taking tools. Refer to note (r) below for applicable crimp tools.

r) Applicable crimp tools include ILSCO ILC-12 series, ILCB-12 series, ILC-14 series, TM-12U1000, TR-12U1000, TB-12U1000 series; UTILCO UM-U42, UR-U42, BLL-U42 series.

INFORMATION SHEET (SERIES CT and CTL)

Compression Connectors for Fine Strand Copper Wire Only (CU9)

WARNING! Do Not Use with Aluminum Wire

Tooling Information

Splice Size	Fine Strand Wire Size	Color Code	ILSCO Die Index	UTILCO Tools BLL-6W Series 6 Ton	
				Die Part #	# Crimps
8 **	8	Red	21	ILD-W21	1
6 **	6	Blue	24	ILD-W24	1
3 **	4	White	29	ILD-W29	1
1 **	2	Green	37	ILD-W37	2 (h)
1/0 **	1	Pink	42	ILD-W42	2
2/0 **	1/0	Black	45	ILD-W45	2
3/0 **	2/0	Orange	50	ILD-W50	2
4/0 **	3/0	Purple	54	ILD-W54	2 (k)
250 **	4/0	Yellow	62	ILD-W62	2
300 **	250	White	66	ILD-W66	2
350 **	250, 262	Red	71	ILD-W71	2
400 **	300, 313	Blue	76	ILD-W76	2
500 **	350, 373	Brown	87	ILD-W87	2
600	400, 444	Green	94		
650	500, 535	Pink	99		
700	500, 535	Pink	99		
750	600, 646	Black	106		
1000	750, 777	White	125		

* Crimps will overlap

** See note f on page 7

Splice Size	Fine Strand Wire Size	Panduit Tools CAUTION: See Note (f) on page 7 CT-2001	
		Index #	# Crimps
8 **	8	Red P21	1
6 **	6	Blue P24	1
3 **	4	Gray P29	1
2 **	4		
1 **	2	Green P37	1 (s)
1/0 **	1	Pink P42	1 (t)
2/0 **	1/0	Black P45	1
3/0 **	2/0	Orange P50	1
4/0 **	3/0	Purple P54	1
250 **	4/0	Yellow P62	1
300 **	250		
350 **	250	Red P71	1
350 **	262	Red P71	1
400 **	300		
400 **	313		
500 **	350		
500 **	373		
600	400		

INFORMATION SHEET (SERIES CT and CTL)

Compression Connectors for Fine Strand Copper Wire Only (CU9)

WARNING! Do Not Use with Aluminum Wire

LISTED 453G LR-29601

Approved Wire Classes

Splice Size	B		C		G		H		I		K		M		DLO	
							MOTOR LEAD				WELDING		WELDING		LOCOMOTIVE	
	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR
8	8	7	8	19	8	49	8	133	8	41	8	168	8	420	8	37
6	6	7	6	19	6	49	6	133	6	63	6	266			6	61
4	4	7	4	19												
3	3	7	3	19	4	49	4	133	4	105	4	420	4	1064	4	105
2	2	7	2	19	4	49	4	133	4	105	4	420	4	1064	4	105
1	1	19	1	37	2	49	2	133	2	161	2	665	2	1666	2	150
1/0	1/0	19	1/0	37	1	133	1	259	1	210	1	836	1	2107	1	225
2/0	2/0	19	2/0	37	1/0	133	1/0	259	1/0	266	1/0	1064	1/0	2646	1/0	275
3/0	3/0	19	3/0	37	2/0	133	2/0	259	2/0	342	2/0	1323	2/0	3325	2/0	325
4/0	4/0	19	4/0	37	3/0	133	3/0	259	3/0	418	3/0	1666	3/0	4256	3/0	450
250	250	37	250	61	4/0	133	4/0	259	4/0	532	4/0	2107	4/0	5320	4/0	532
300	300	37	300	61	250	259	250	427								
350	350	37	350	61					250	637	250	2499	250	6384	262.6	650
400	400	37	400	61	300	259	300	427	300	735	300	2989	300	7581	313.3	775
500	500	37	500	61	350	259	350	427	350	882	350	3458	350	8806	373.7	925
600	600	61	600	91	400	259	400	427	400	980	400	3990	400	10101	444	1150
650	600	61	600	91	500	259	500	427	500	1225	500	5054	500	12691	535.3	1325
700	700	61	700	91	500	259	500	427	500	1225	500	5054	500	12691	535.3	1325
750	750	61	750	91	600	427	600	703	600	1470			600	14945	646	1591
1000	1000	61	1000	91	750	427	750	703	750	1862					777	1924

UL Listed and CSA Certified when installed with tools and dies shown on page 6

a) Number of crimps shown on chart must be on each end of the CT splicer connectors.

b) The CT connectors are marked with color, the die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.

c) The ILSCO 94285, MT-25 and all dieless tools are not color coded or do not contain the die index.

d) Consult manufacturers data for catalog numbers of dies for each tool.

e) Strip Length = Barrel Length + 1/16 Inch

f) UL Complimentary Listed under category KDER and CSA Certified for Grounding & Bonding Applications.
EXCEPTION: Use of T&B TBM8-750 Series, WT115A or Panduit CT-1700, CT-2001 tools voids the Grounding and Bonding Certifications.

g) For long barrel (CTL) connectors add one additional crimp to each side of barrel.

h) When installing #1 size connectors using TB-6W series or BLL-W series tools with ILD-W37 die, AWG 2 class M wire is NOT applicable.

k) When installing 4/0 size connectors with 3/0 class M wire using TB-6W series or BLL-W series tools, use ILD-W50 die.

m) Burndy dies are UL listed and CSA certified to be use with ILSCO 12 Ton hydraulic die-taking tools and UTILCO 12 Ton hydraulic die-taking tools. Refer to note (v) below for applicable crimp tools.

n) When installing 750 size connectors with 600 kcmil flex wires using T&B 13100A or TBM14 series tools, 600 kcmil class K wire is NOT applicable.

p) When installing #8 size connectors with AWG 8 flex wires using 12 Ton die-taking tools with small Dino dies, AWG 8 class K wire is NOT applicable.

q) When installing 500 size connectors with 350 kcmil flex wires using T&B 13100A or TBM14 series tools, 350 kcmil class K wire is NOT applicable.

r) When installing #1 size connectors with AWG 2 flex wires using Panduit CT-1700 tool, AWG 2 class M wire is NOT applicable.

s) When installing #1 size connectors with AWG 2 flex wires using Panduit CT-2001 tool, AWG 2 class M wire is NOT applicable.

t) When installing 1/0 size connectors with AWG 1 flex wires using Panduit CT-2001 tool, AWG 1 class M wire is NOT applicable.

u) When installing #1 size connectors with AWG 2 flex wires using Burndy Y35, Y35BH, Y39, Y750, Y750BH or PAT750 series tools, AWG 2 class M wire is NOT applicable.

v) Applicable crimp tools include ILSCO ILC-12 series, ILCB-12 series, ILC-14 series, TM-12U1000, TR-12U1000, TB-12U1000 series; UTILCO UM-U42, UR-U42, BLL-U42 series.

LISTED 453G LR-29601

INFORMATION SHEET (SERIES CS, CL)

Compression Connectors for Class B/C Copper Wire Only (CU9)

WARNING! Do Not Use with Aluminum Wire

Tooling Information

			UTILCO Tools		Panduit Tools		
Lug Size	Color Code	ILSCO Die Index	BLL-W Series 6 Ton		CAUTION: See Note (f) below CT-2001		Lug Size
			Die Part #	# Crimps	Index #	# Crimps	
8 ** †	Red	21	ILD-W21	1	Red P21	1	8 ** †
6 ** †	Blue (p)	24 (p)	ILD-W24	1	Blue P24	1	6 ** †
4 ** †	Gray	29	ILD-W29	1	Gray P29	1	4 ** †
3 ** $	White	29	ILD-W29	1	Gray P29	1	3 ** $
2 ** †	Brown	33	ILD-W33	1	Brown P33	1	2 ** †
1 **	Green	37	ILD-W37	1	Green P37	1	1 **
1/0 **	Pink	42	ILD-W42	1	Pink P42	1	1/0 **
2/0 **	Black	45	ILD-W45	1	Black P45	1	2/0 **
3/0 **	Orange	50	ILD-W50	1	Orange P50	1	3/0 **
4/0 **	Purple	54	ILD-W54	1	Purple P54	1	4/0 **
250 **	Yellow	62	ILD-W62	2	Yellow P62	1	250 **
300 **	White	66	ILD-W66	2	White P66	1	300 **
350 **	Red	71	ILD-W71	2	Red P71	1	350 **
400 **	Blue	76	ILD-W76	2			400 **
500 **	Brown	87	ILD-W87	2			500 **
600	Green	94					600
650	Pink	99					650
700	Pink	99					700
750	Black	106					750
1000	White	125					1000

* Dieless - Crimps will overlap ** See note f below † See note h below $ See note n below

UL Listed and CSA Certified when installed with tools and dies shown above

a) Connectors are marked with color, die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.

b) The ILSCO 94285, MT-25 and all dieless tools are not color coded or do not contain the die index.

c) Consult manufacturers data for catalog numbers of dies for each tool.

d) Strip Length = Barrel Length + 1/16 Inch.

e) For long barrel connectors double the amount of crimps indicated on chart except for 1000 kcmil add only one additional crimp.

f) UL Complimentary Listed under category KDER and CSA Certified for Grounding & Bonding Applications, suitable for direct burial. **EXCEPTION: Use of T&B TBM8-750 Series, BAT22-6, WT115A or Panduit CT-1700, CT-2001 tools voids the Grounding & Bonding Certifications.**

g) For #4 Compact Copper wire, 2 crimps are required for standard barrel connectors. (See note (e) above for long barrel connectors.)

h) Rated for stranded or solid wire, Sol/Str.

k) For solid wire only use table below:

Lug Size	Index #	# Crimps
6	Blue	2
4	Blue	2
2	Brown	2

n) In addition to #3 stranded wire, CS, CL series #3 lug is also UL listed and CSA certified for use with #2 solid copper wire. **EXCEPTION: It does NOT apply to use of ILSCO 94285, IDT-12 series, ILC-15H, ILC-30H, ILC-750, TM-6DF1000, TR-6DF1000, TB-6DF1000 series, TB-6W series; Anderson VC6, VC7 series; Burndy PAT81K, Y81K series; T&B TBM8-750 series, BAT22-6, TBM5S, TBM6S, WT115A; Panduit CT-1700, CT-2001; Greenlee 1990, HK12ID, EK12ID; UTILCO UM-4PT, UR-4PT, BLL-4PT series, BLL-W series; Large Dino dies, Small Dino dies.**

p) CS, CL series #6 lug is also UL listed and CSA certified when crimped with red die (die index 21) using ILSCO ILC-12 series, ILC-15H, ILC-30H, ILC-750 or Ridgid RE 12-M crimp tools.

q) Burndy dies are UL listed and CSA certified to be use with ILSCO 12 Ton hydraulic die-taking tools and UTILCO 12 Ton hydraulic die-taking tools. Refer to note (r) below for applicable crimp tools.

r) Applicable crimp tools include ILSCO ILC-12 series, ILCB-12 series, ILC-14 series, TM-12U1000, TR-12U1000, TB-12U1000 series; UTILCO UM-U42, UR-U42, BLL-U42 series.

Tooling Information

Lug Size	Fine Strand Wire Size	Color Code	ILSCO Die Index	UTILCO BLL-W Series 6 Ton	
				Die Part #	# Crimps
8 **	8	Red	21	ILD-W21	1
6 **	6	Blue	24	ILD-W24	1
3 **	4	White	29	ILD-W29	1
1 **	2	Green	37	ILD-W37	2 (k)
1/0 **	1	Pink	42	ILD-W42	2
2/0 **	1/0	Black	45	ILD-W45	2
3/0 **	2/0	Orange	50	ILD-W50	2
4/0 **	3/0	Purple	54	ILD-W54	2 (m)
250 **	4/0	Yellow	62	ILD-W62	2
300 **	250	White	66	ILD-W66	2
350 **	250, 262	Red	71	ILD-W71	2
400 **	300, 313	Blue	76	ILD-W76	2
500 **	350, 373	Brown	87	ILD-W87	2
600	400, 444	Green	94		
650	500, 535	Pink	99		
700	500, 535	Pink	99		
750	600, 646	Black	106		
1000	750, 777	White	125		

* Dieless - Crimps will overlap ** See note f on page 11

Lug Size	Fine Strand Wire Size	Panduit Tools CAUTION: See Note (f) on page 11 CT-2001	
		Index #	# Crimps
8 **	8	Red P21	1
6 **	6	Blue P24	1
3 **	4	Gray P29	1
2 **	4		
1 **	2	Green P37	1
1/0 **	1	Pink P42	1
2/0 **	1/0	Black P45	1
3/0 **	2/0	Orange P50	1
4/0 **	3/0	Purple P54	1
250 **	4/0	Yellow P62	1
300 **	250		
350 **	250	Red P71	1
350 **	262	Red P71	1
350 **	262		
400 **	300		
400 **	313		
500 **	350		
500 **	373		

LISTED
453G LR-29601

INFORMATION SHEET (SERIES CS, CL)

Compression Connectors for Fine Strand Copper Wire Only (CU9)

WARNING! Do Not Use with Aluminum Wire

Approved Wire Classes

Lug Size	B		C		G		H		I		K		M		DLO	
							MOTOR LEAD				WELDING		WELDING		LOCOMOTIVE	
	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR
8	8	7	8	19	8	49	8	133	8	41	8	168	8	420	8	37
6	6	7	6	19	6	49	6	133	6	63	6	266			6	61
4	4	7	4	19												
3	3	7	3	19	4	49	4	133	4	105	4	420	4	1064	4	105
2	2	7	2	19	4	49	4	133	4	105	4	420	4	1064	4	105
1	1	19	1	37	2	49	2	133	2	161	2	665	2	1666	2	150
1/0	1/0	19	1/0	37	1	133	1	259	1	210	1	836	1	2107	1	225
2/0	2/0	19	2/0	37	1/0	133	1/0	259	1/0	266	1/0	1064	1/0	2646	1/0	275
3/0	3/0	19	3/0	37	2/0	133	2/0	259	2/0	342	2/0	1323	2/0	3325	2/0	325
4/0	4/0	19	4/0	37	3/0	133	3/0	259	3/0	418	3/0	1666	3/0	4256	3/0	450
250	250	37	250	61	4/0	133	4/0	259	4/0	532	4/0	2107	4/0	5320	4/0	532
300	300	37	300	61	250	259	250	427								
350	350	37	350	61	250	259	250	427	250	637	250	2499	250	6384	262.6	650
400	400	37	400	61	300	259	300	427	300	735	300	2989	300	7581	313.3	775
500	500	37	500	61	350	259	350	427	350	882	350	3458	350	8806	373.7	925
600	600	61	600	91	400	259	400	427	400	980	400	3990	400	10101	444	1150
650	600	61	600	91	500	259	500	427	500	1225	500	5054	500	12691	535.3	1325
700	700	61	700	91	500	259	500	427	500	1225	500	5054	500	12691	535.3	1325
750	750	61	750	91	600	427	600	703	600	1470			600	14945	646	1591
1000	1000	61	1000	91	750	427	750	703	750	1862					777	1924

UL Listed and CSA Certified when installed with tools and dies shown on page 10

a) Connectors are marked with color, die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.

b) The ILSCO 94285, MT-25 and all dieless tools are not color coded or do not contain the die index.

c) Consult manufacturers data for catalog numbers of dies for each tool.

d) Strip Length = Barrel Length + 1/16 Inch.

e) For long barrel connectors double the amount of crimps indicated on chart except for 1000 kcmil add only one additional crimp.

f) UL Complimentary Listed under category KDER and CSA Certified for Grounding & Bonding Applications. **EXCEPTION: Use of T&B TBM8-750 Series, BAT22-6, WT115A or Panduit CT-1700, CT-2001 tools voids the Grounding and Bonding Certifications.**

g) For #8 AWG Class H wire only, may use 1 or 2 crimps.

h) Burndy dies are UL listed and CSA certified to be use with ILSCO 12 Ton hydraulic die-taking tools and UTILCO 12 Ton hydraulic die-taking tools. Refer to note (q) below for applicable crimp tools.

k) When installing #1 size connectors using TB-6W series or BLL-W series tools with ILD-W37 die, AWG 2 class M wire is NOT applicable.

m) When installing 4/0 size connectors with 3/0 class M wire using TB-6W series or BLL-W series tools, use ILD-W50 die.

n) When installing 750 size connectors with 600 kcmil class K wire using T&B 13100A or TBM14 series tools, use ILSCO ILD-99 die.

p) When installing 750 size connectors with 600 kcmil flex wires using 12 Ton die-taking tool with Small Dino dies, 600 kcmil class K wire is NOT applicable.

q) Applicable crimp tools include ILSCO ILC-12 series, ILCB-12 series, ILC-14 series, TM-12U1000, TR-12U1000, TB-12U1000 series; UTILCO UM-U42,

INFORMATION SHEET (F2C, F2CO Series Wire Adapters)

FOR USE WITH CODE OR FLEX COPPER WIRES

NOT FOR USE WITH ALUMINUM WIRE

c UL us LISTED 941R

Tooling Information

					UTILCO			
Catalog No.	Cover** Furnished With Adapter	Copper Code Wire Size (Class B/C)	Copper Flex Wire Size	Copper Pin Size	Die Color Code	ILSCO Die	BLL-W Series	
							ILSCO Die	# Crimps
F2C-4-4*	PCC-2	3 AWG	#4 G, H, I, K, M, DLO	#4	White	ILD-29	ILD-W29	
F2C-2-2*	PCC-3	1 AWG	#2 G, H, I, K, M, DLO	#2	Green	ILD-37	ILD-W37	
F2C-1-1*	PCC-4	1/0 AWG	#1 G, H, I, K, M, DLO	#1	Pink	ILD-42	ILD-W42	
F2C-1/0-1/0*	PCC-5	2/0 AWG	1/0 G, H, I, K, M, DLO	1/0	Black	ILD-45	ILD-W45	1
F2CO-1/0-1/0*								
F2C-2/0-2/0*	PCC-5	3/0 AWG	2/0 G, H, I, K, M, DLO	2/0	Orange	ILD-50	ILD-W50	1
F2CO-2/0-2/0*								
F2C-3/0-3/0*	PCC-6	4/0 AWG	3/0 G, H, I, K, M, DLO	3/0	Purple	ILD-54	ILD-W54	1
F2CO-3/0-3/0*								
F2C-4/0-4/0*	PCC-7	250 kcmil	4/0 G, H, I, K, M, DLO	4/0	Yellow	ILD-62	ILD-W62	1
F2CO-4/0-4/0*								
F2C-250-250*	PCC-7	300 kcmil	250 G, H	250	White	ILD-66	ILD-W66	1
F2CO-250-250*								
F2C-262-250*	PCC-8	350 kcmil	250 I, K, M, 262 DLO	250	Red	ILD-71	ILD-W71	1
F2CO-262-250*								
F2C-313-350*	PCC-9	400 kcmil	300 G,H,I,K,M, 313 DLO	350	Blue	ILD-76	ILD-W76	1
F2CO-313-350*								
F2C-373-350*	PCC-9	500 kcmil	350 G,H,I,K,M, 373 DLO	350	Brown	ILD-87	ILD-W87	1
F2CO-373-350*								
F2C-444-500	PCC-10	600 kcmil	400 G,H,I,K,M, 444 DLO	500	Green	ILD-94	N/A	N/A
F2CO-444-500								
F2C-535-500	PCC-11	700 kcmil	500 G,H,I,K,M, 535 DLO	500	Pink	ILD-99	N/A	N/A
F2CO-535-500								
F2C-646-600	PCC-12	750 kcmil	600 G,H,I,M, 646 DLO	600	Black	ILD-106	N/A	N/A
F2CO-646-600								
F2C-777-750	PCC-12	1000 kcmil	750 G,H,I, 777 DLO	750	White	ILD-125	N/A	N/A
F2CO-777-750								

* UL complimentary listed and certified for Canada as Wire Adapter and Grounding and Bonding Equipment, suitable for direct burial.

** Insulating cover is intended to be assembled to the wire adapter after crimp application. Do NOT crimp over the insulating cover.

UTILCO®
connections matter

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