



# **Smart Connect MWS Shop Drawings**

Electec Ltd.

100-5977 Hazeldean Road Stittsville (Ottawa), ON K2S 1B9 Tel (613) 836-0300 · TF (866) 233-5328

www.electeconline.com

"SMART CONNECT", "SMART LIGHT" AND "ULTRALX" ARE TRADE-MARKS OF ELECTEC LTD.

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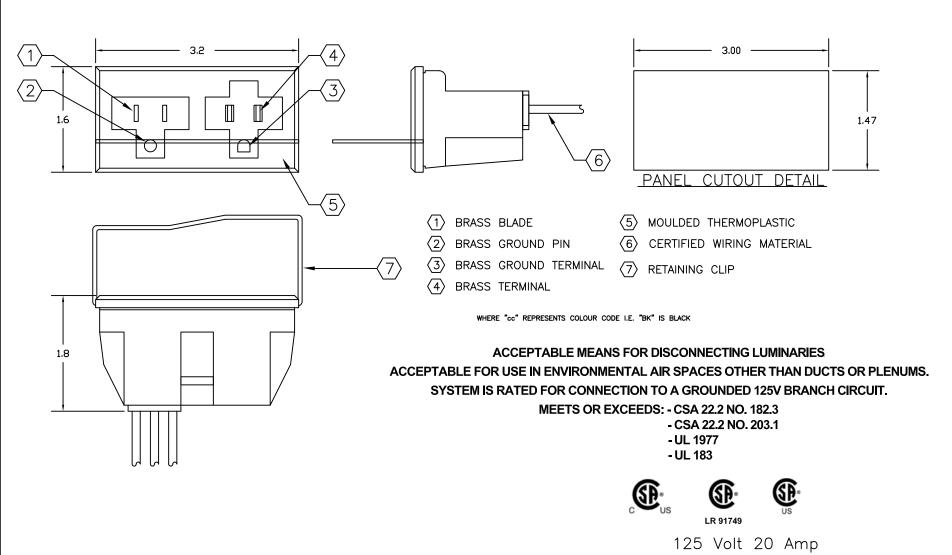
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Electec design and construct Manufactured Wiring Systems approved to stringent UL and CSA standards for use in the USA and Canada.



With 100% inspection and cutting edge manufacturing techniques, Electec delivers quality product on time and on budget.





CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS	Γ
6	GREEN	1	GROUND	1
	WHITE	2	NEUTRAL	1
	BLACK	3	LINE	L
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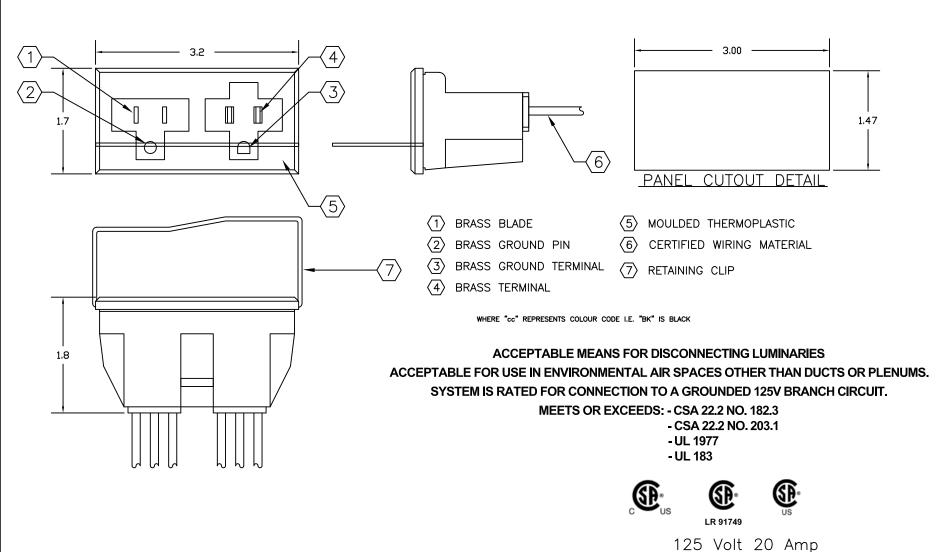
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TELEPHONE (613) 836-0300 FAX (613) 836-0391	
TOLL-FREE (866) 233-5328 FAX (866) 933-1933	
e-mail: support@electeconline.com	

FIXTURE INTERCEPTOR

100125Flcc

DRAWN BY: J.Y.	APPROVED: D.H.
DATE:	SCALE:

100125FI.9



CDN. PATENT - 1219307 U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
6	GREEN	1	GROUND
	WHITE	2	NEUTRAL
	BLACK	3	LINE



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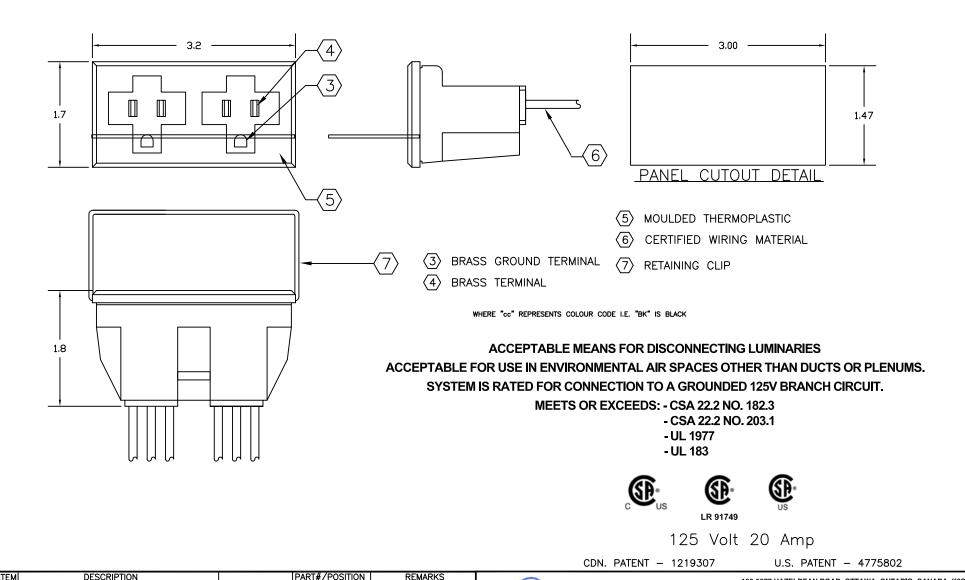
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DUAL	PLUG	/RECEPTACLE	-

100125PTRTcc

DRAWN BY: J.Y.	APPROVED: D.H.	
DATE: 21-0CT-08	SCALE: N.T.S.	100

0125PTRT.8



ITEM	DESCRIPTION	PART#/POSITION	REMARKS	
6	GREEN	1	GROUND	1
	WHITE	2	NEUTRAL	1
	BLACK	3	LINE	1_
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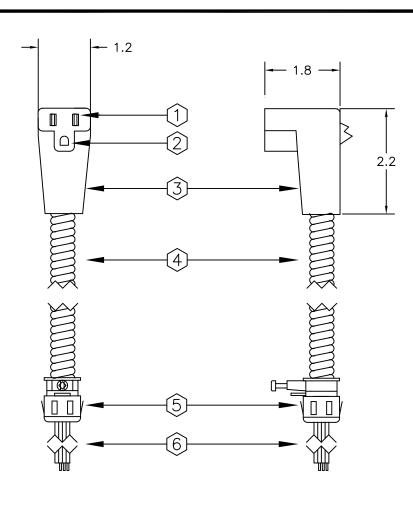
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TELEPHONE (613) 836-0300 FAX	( (613) 836-0391		
TOLL-FREE (866) 233-5328 FAX	(866) 933-1933		
e-mall: support@electecon	line.com		

DUAL	PLUG/RECEPTACLE
	100125RTRTcc

DRAWN BY: J.Y.	APPROVED: D.H.	100105555
DATE: 21-0CT-08	SCALE: N.T.S.	100125RTRT.8



- BRASS TERMINAL
- BRASS GROUND TERMINAL
- MOULDED THERMOPLASTIC
- "ULTRALX" AC90 LS 600V 90°C (CSA 22.2 No. 51-95)
- (5) LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- TAIL WITH STRIPPED ENDS

> SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC.

ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C)

> MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

ACCEPTABLE MEANS FOR DISCONNECTING LUMINARIES PER CEC PART I 30-308(4) OR NEC 410.73(G).

> Manufactured with "AC90/MC"



Manufactured Manufactured



with



LR 91749

125 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
4	BARE	1	GROUND
	WHITE	2	NEUTRAL
	BLACK	3	LINE



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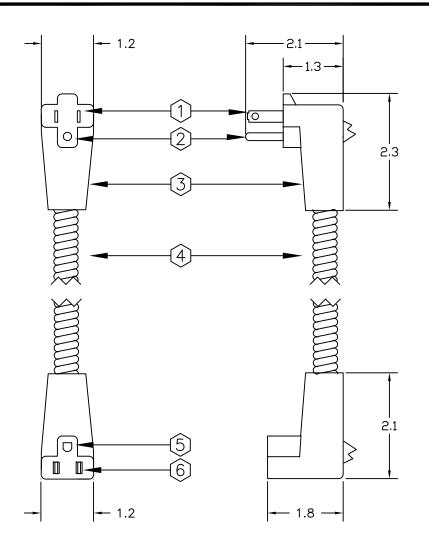
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#### CABI F STARTER

101125SCSccIlld

DRAWN BY: J.Y.	APPROVED: D.H.	
DATE: 27-NOV-08	SCALE: N.T.S.	

101125SCS.8



- (1) BRASS BLADE
- (2) BRASS GROUND PIN
- (3) MOULDED THERMOPLASTIC
- (CSA 22.2 No. 51-95 and UL 1569)
- (5) BRASS GROUND TERMINAL
- (6) BRASS TERMINAL

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125V BRANCH CIRCUIT.

MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE.

INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC.

ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C)

MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

ACCEPTABLE MEANS FOR DISCONNECTING LUMINARIES PER CEC PART I 30-308(4) OR NEC 410.73(G).

Manufactured with "AC90/MC"



Manufactured Manufactured

"AC90"

LR 91749

with "MC"

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125 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION		PART#/POSITION	REMARKS	ı
4	BARE		1	GROUND	ı
	WHITE		2	NEUTRAL	ı
	BLACK		3	LINE	L
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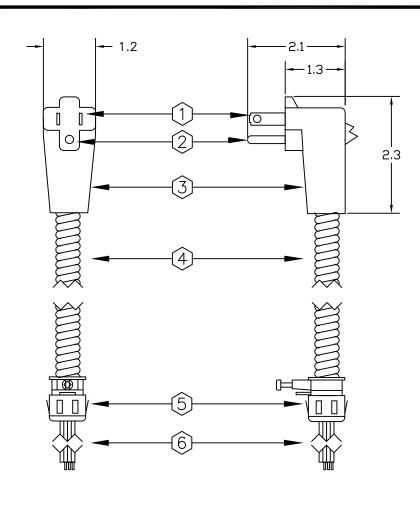
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### JOINER CABLE

102125JCSccIlld

J.Y.	D.H.	
DATE:	SCALE:	
27-NOV-08	N.T.S.	

102125JCS.8



- BRASS BLADE
- BRASS GROUND PIN
- MOULDED THERMOPLASTIC
- (4) "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and UL 1569)
- LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- TAIL WITH STRIPPED ENDS

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC. ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C)

> MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

ACCEPTABLE MEANS FOR DISCONNECTING LUMINARIES PER CEC PART I 30-308(4) OR NEC 410.73(G).

> Manufactured with "AC90/MC"



Manufactured Manufactured

"AC90"

with "MC"

LR 91749

125 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS	ı
4	BARE	1	GROUND	ı
	WHITE	2	NEUTRAL	ı
	BLACK	3	LINE	L
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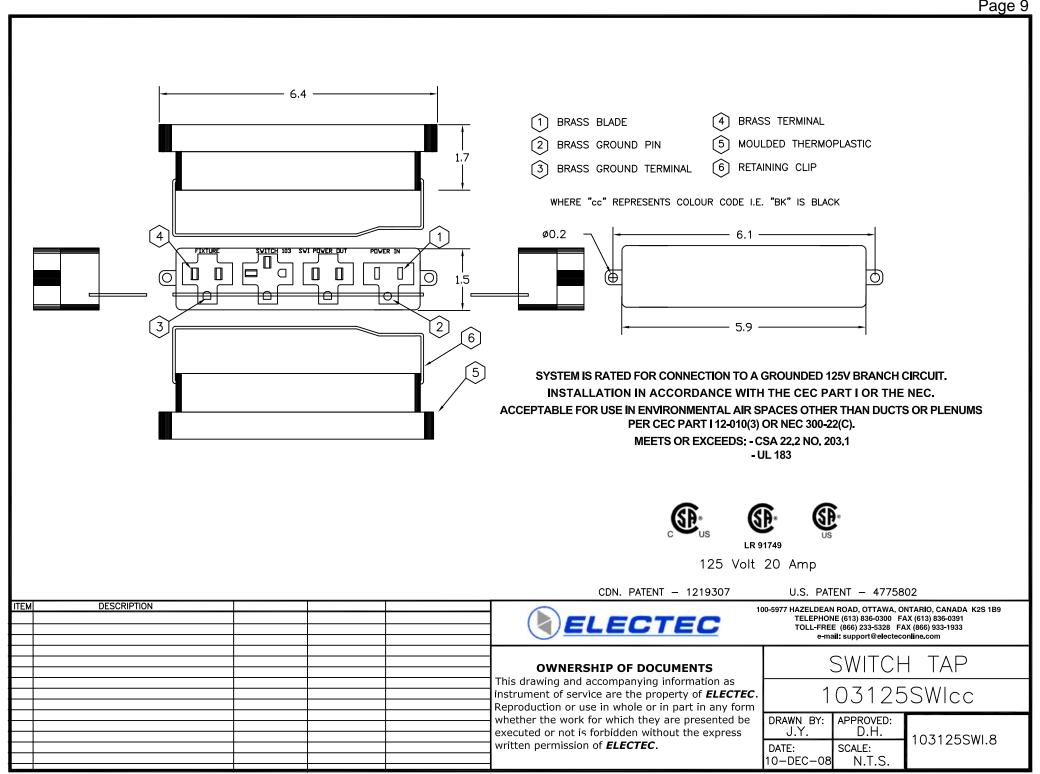
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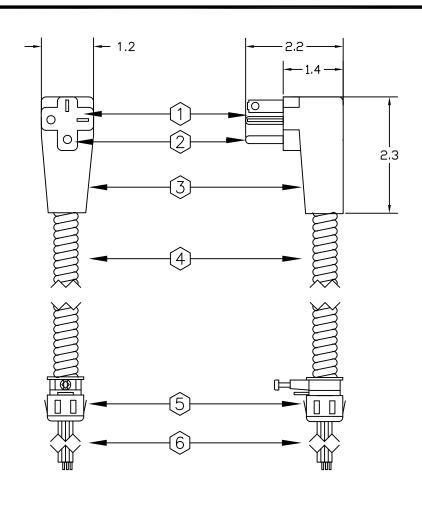
#### CABI F DROP

102125JCSTccllld

DRAWN BY: J.Y.	D.H.	
DATE:	SCALE:	
27-NOV-08	N.T.S.	

102125JCST.8





- BRASS BLADE
- BRASS GROUND PIN
- MOULDED THERMOPLASTIC
- (4) "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and UL 1569)
- (5) LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- TAIL WITH STRIPPED ENDS

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC.

ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C)

> **MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1** - UL 183

Manufactured with "AC90/MC"



Manufactured Manufactured with



with "MC"

125 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART	#/POSITION	REMARKS
4	BARE		1	GROUND
	WHITE		2	LINE
	BLACK		3	SWITCH LEG/RETURN
			4	NOT CONNECTED
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# ELECTEC

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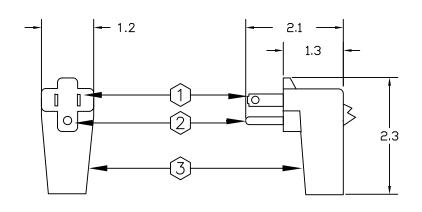
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#### SWITCH CABLE

104125SWCSccIIId

DRAWN BY: J.Y.	APPROVED: D.H.
DATE:	SCALE:
27-NOV-08	N.T.S.

104125SWCS.3



- (1) BRASS BLADE
- 2 BRASS GROUND PIN
- 3 MOULDED THERMOPLASTIC

WHERE "cc" REPRESENTS COLOUR CODE I.E. "BK" IS BLACK

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125V BRANCH CIRCUIT.

MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE.

INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC.

ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS

PER CEC PART I 12-010(3) OR NEC 300-22(C)

MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183







125 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

	REMARKS	PART#/POSITION	DESCRIPTION	ITEM
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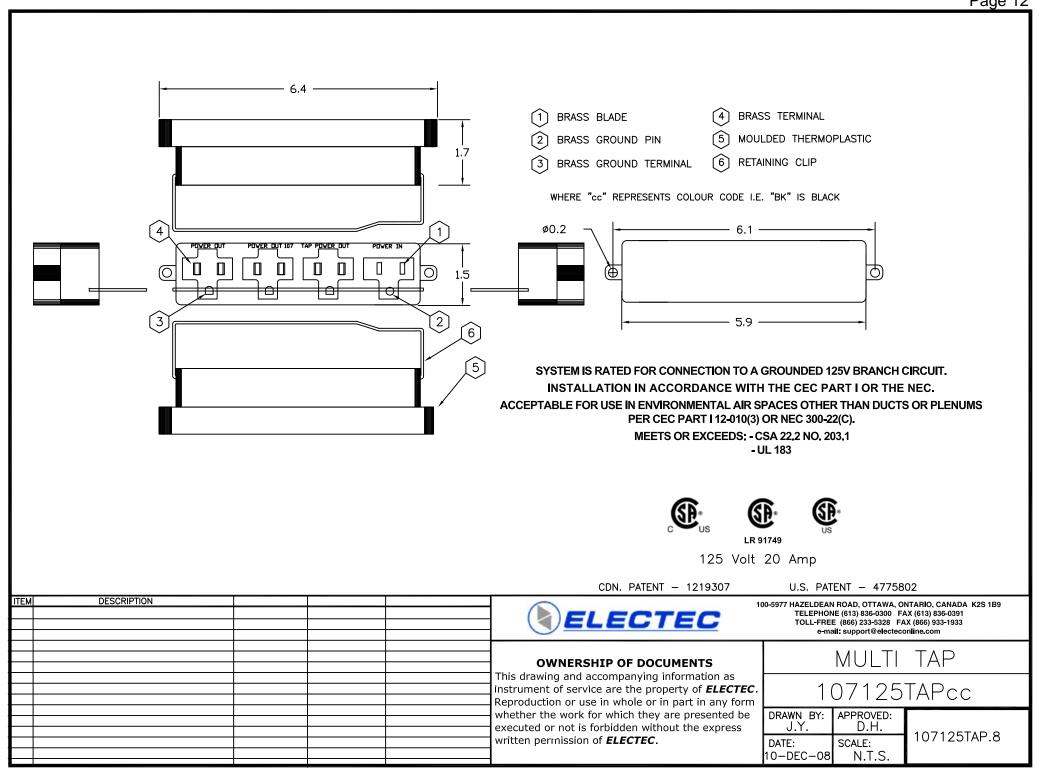
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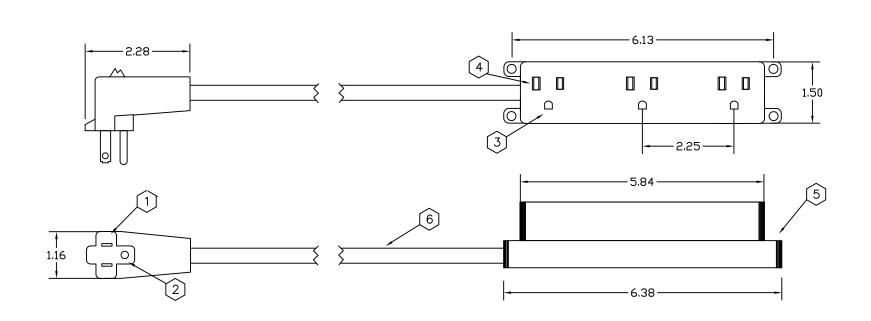
BLANKING F	LUG
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105125BPcc

DRAWN BY: J.Y.	APPROVED: D.H.
DATE: 27-NOV-08	SCALE: N.T.S.

105125BP.6





1 BRASS BLADE

4) BRASS TERMINAL

2 BRASS GROUND PIN

(5) MOULDED THERMOPLASTIC

3) BRASS GROUND TERMINAL 6 "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and UL 1569)

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125V BRANCH CIRCUIT.
INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC.

ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C).

MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

WHERE "cc" REPRESENTS COLOUR CODE I.E. "BK" IS BLACK WHERE "d' REPRESENTS CERTIFIED WIRING MATERIAL. I.E. "A" IS AC90 WHERE "III" REPRESENTS LENGTH CODE I.E. "040" IS 04.0 METERS







125 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION		
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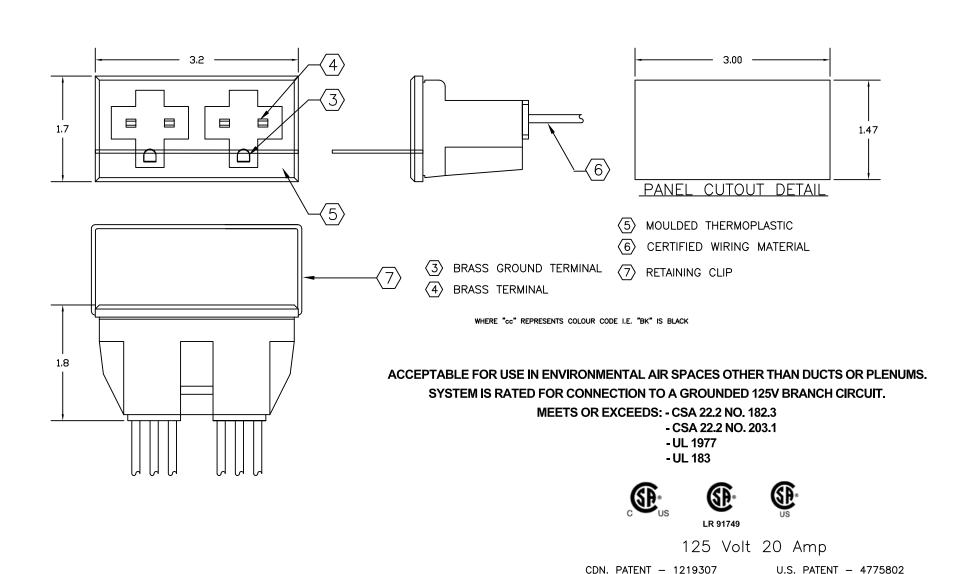
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109125TAPccIIId

DRAWN BY:	APPROVED: D.H.	
DATE: 10-DEC-08	SCALE: N.T.S.	109125TAP.5



CDN. PATENT - 1219307

ITEM	DESCRIPTION		PART#/POSITION	REMARKS	
6	GREEN		1	GROUND	
	WHITE		2	NEUTRAL	
	BLACK		3	LINE	
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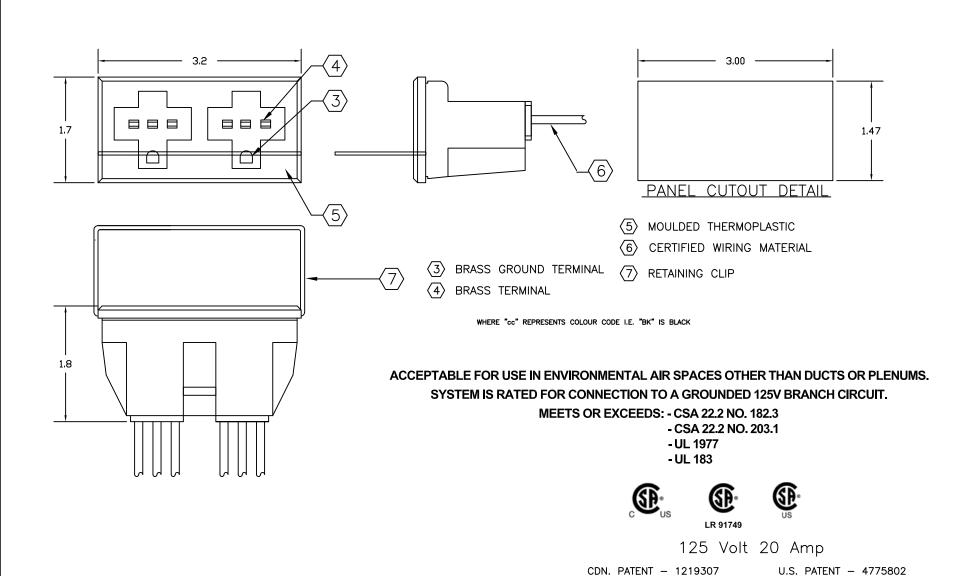
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DUAL	RECEPTACL	Æ

10031RTRTcc

DRAWN BY: J.Y.	APPROVED: D.H.
DATE: 21-0CT-08	SCALE:

10031RTRT.11



ITEM	DESCRIPTION	PART#/POSITION	REMARKS	Γ
6	GREEN	1	GROUND	ı
	WHITE	2	NEUTRAL	ı
	BLACK	3	LINE	L
	GREEN/YELLOW TRACER	4	ISOLATED GROUND	Γ
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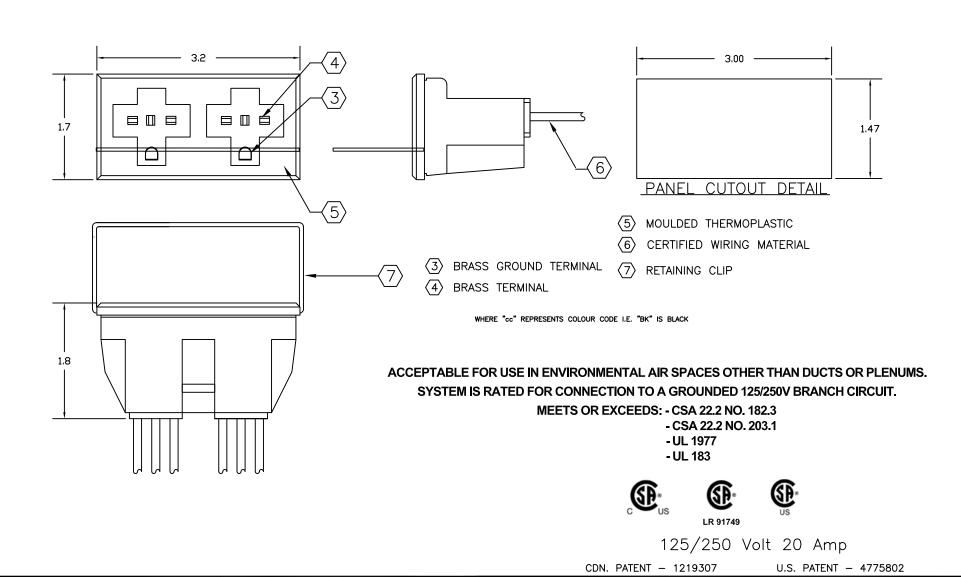
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	DUAL	RECEP	'TACLE
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10041RTRTcc

DRAWN BY: J.Y.	APPROVED: D.H.
DATE:	SCALE:
21-OCT-08	N.T.S.

10041RTRT.9



IIEM	DESCRIPTION	PART#/POSITION	REMARKS
6	GREEN	1	GROUND
	WHITE	2	NEUTRAL
	RED	3	LINE CCT.1
	BLACK	4	LINE CCT.2
<u> </u>			
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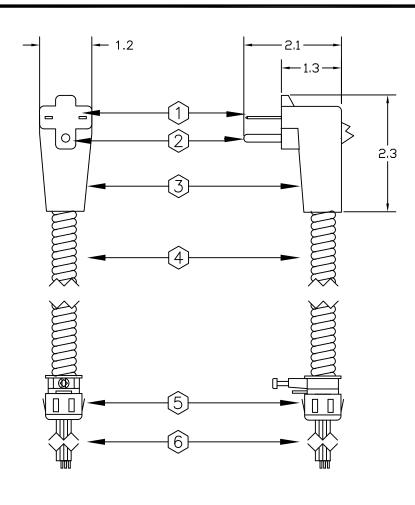
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TOLL-FREE (866) 233-5328 FAX (866) 933-1933				
e-mail: support@electeconline.com				

DUAL RECEPTACLE

10042RTRTcc

DRAWN BY: J.Y.	APPROVED: D.H.
DATE:	SCALE:
21-0CT-08	N.T.S.

10042RTRT.9



- BRASS BLADE
- BRASS GROUND PIN
- MOULDED THERMOPLASTIC
- (4) "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and UL 1569)
- (5) LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- TAIL WITH STRIPPED ENDS

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC. ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C)

> **MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1** - UL 183

Manufactured with "AC90/MC"



Manufactured Manufactured with



with "MC"



LR 91749

125 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

DESCRIPTION		PART#/POSITION	REMARKS	Γ
BARE		1	GROUND	1
WHITE				1
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	BARE WHITE	BARE WHITE	BARE         1           WHITE         2	BARE         1         GROUND           WHITE         2         NEUTRAL



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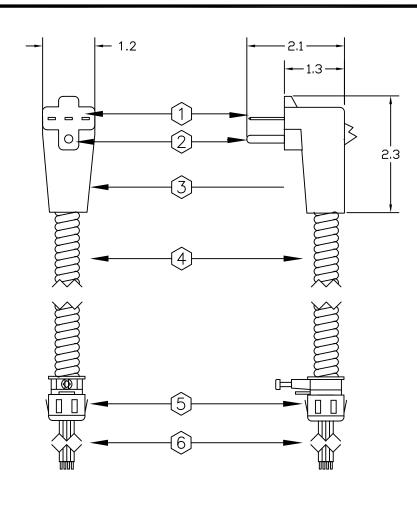
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DROP	CABLE
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11031MTccllld

DRAWN BY: J.Y.	APPROVED: D.H.
DATE: 27-NOV-08	SCALE: N.T.S.

11031MT.7



- BRASS BLADE
- BRASS GROUND PIN
- MOULDED THERMOPLASTIC
- (4) "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and UL 1569)
- (5) LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- TAIL WITH STRIPPED ENDS

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC. ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C)

> **MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1** - UL 183

Manufactured with "AC90/MC"



Manufactured Manufactured with



LR 91749

with



125 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS	Γ
4	BARE	1	GROUND	1
	WHITE	2	NEUTRAL	1
	BLACK	3	LINE	l
	GREEN/YELLOW TRACER	4	ISOLATED GROUND	I
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# ELECTEC

100-5977 HAZELDEAN ROAD, OTTAWA, ONTARIO, CANADA K2S 1B9 TELEPHONE (613) 836-0300 FAX (613) 836-0391 TOLL-FREE (866) 233-5328 FAX (866) 933-1933 e-mail: support@electeconline.com

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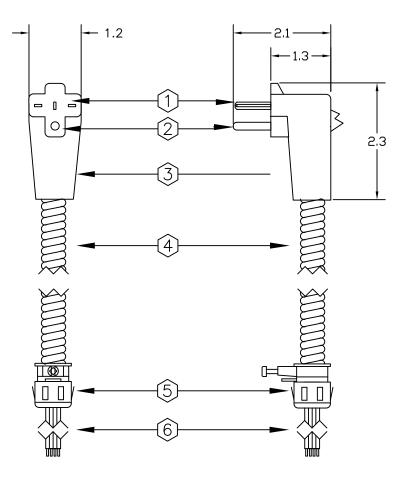
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#### DROP CABLE

11141MTccllld

DRAWN BY: J.Y.	APPROVED: D.H.
DATE: 27-NOV-08	SCALE: N.T.S.

11141MT.9



- BRASS BLADE
- BRASS GROUND PIN
- MOULDED THERMOPLASTIC
- (4) "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and UL 1569)
- (5) LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- TAIL WITH STRIPPED ENDS

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125/250V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC. ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C)

> MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

> > Manufactured with "AC90/MC"



Manufactured Manufactured with



with



125/250 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS	Γ
4	BARE	1	GROUND	ı
	WHITE	2	NEUTRAL	ı
	RED	3	LINE Cct.1	L
	BLACK	4	LINE Cct.2	Γ
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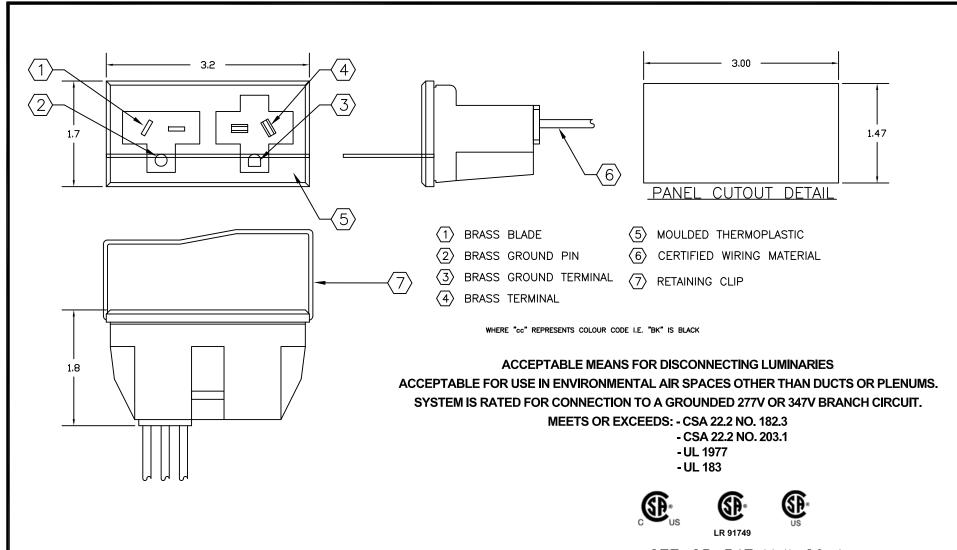
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#### CABLE DROP

11242MTccllld

DRAWN BY:	APPROVED:
J.Y.	D.H.
DATE:	SCALE:
27-NOV-08	N.T.S.

11242MT.9



277 OR 347 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS	J
6	GREEN	1	GROUND	1
	WHITE	2	NEUTRAL	1
	BLACK	3	LINE	L
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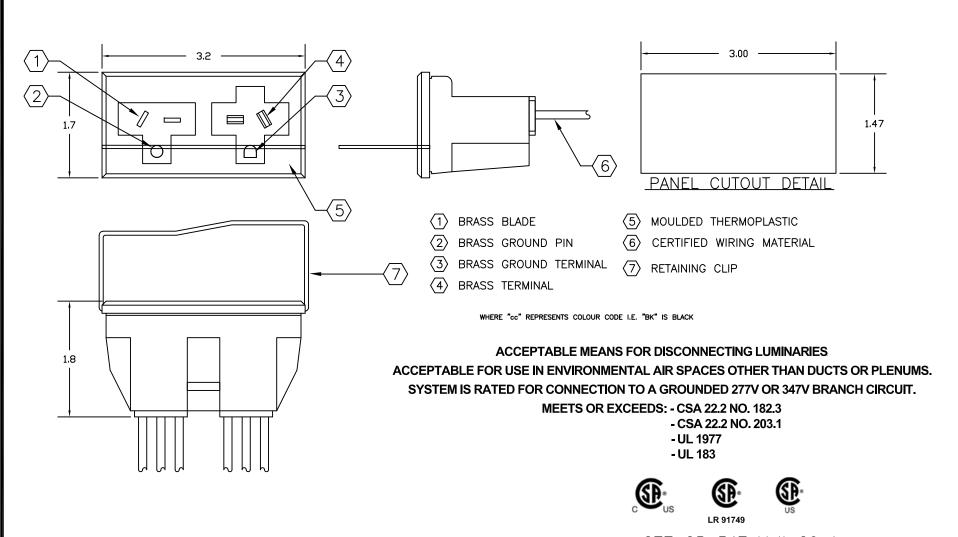
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	FIXTURE	INTERCEPTOR
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100347Flcc

DRAWN BY: J.Y.	APPROVED: D.H.
DATE:	SCALE:
21-0CT-08	N.T.S.

100347FI.9



277 OR 347 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS	Γ
6	GREEN	1	GROUND	ı
	WHITE	2	NEUTRAL	ı
	BLACK	3	LINE	L
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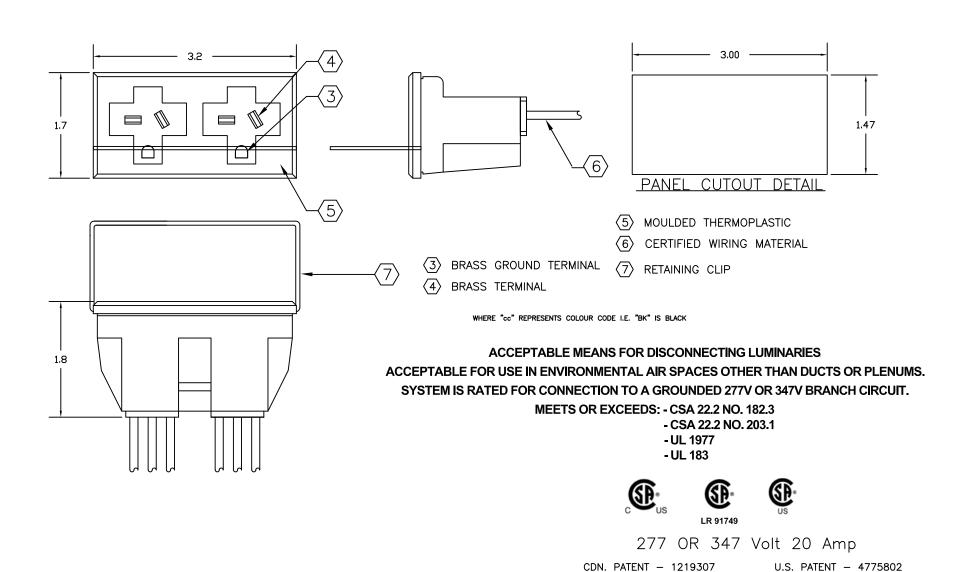
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DUAL PLU	G/RECEPTACLE
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100347PTRTcc

DRAWN BY: J.Y.	D.H.
DATE:	SCALE:
21-0CT-08	N.T.S.

100347PTRT.8



ITEM	DESCRIPTION	PART#/POSITION	REMARKS	Г
6	GREEN	1	GROUND	ı
	WHITE	2	NEUTRAL	ı
	BLACK	3	LINE	
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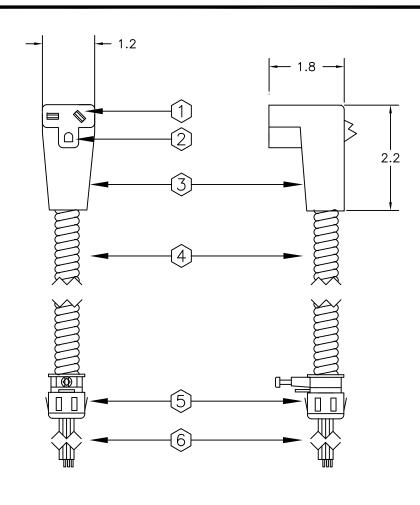
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TOLL-FREE (866) 233-5328 FAX (866) 933-1933				
e-mall; support@electeconline.com				

DUAL RECEPTACLE

100347RTRTcc

DRAWN BY:	APPROVED:
J.Y.	D.H.
DATE:	SCALE:
21-0CT-08	N.T.S

**-** 100347RTRT.9



- BRASS TERMINAL
- BRASS GROUND TERMINAL
- MOULDED THERMOPLASTIC
- (4) "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and UL 1569)
- LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- TAIL WITH STRIPPED ENDS

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 277V OR 347V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC.

ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C)

> MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

**ACCEPTABLE MEANS FOR DISCONNECTING LUMINARIES** PER CEC PART I 30-308(4) OR NEC 410.73(G).

> Manufactured with "AC90/MC"



Manufactured Manufactured

"AC90"

with



277 OR 347 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS	ı
4	BARE	1	GROUND	ı
	WHITE	2	NEUTRAL	ı
	BLACK	3	LINE	L
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e-mail: support@electeconline.com STARTER CABLE

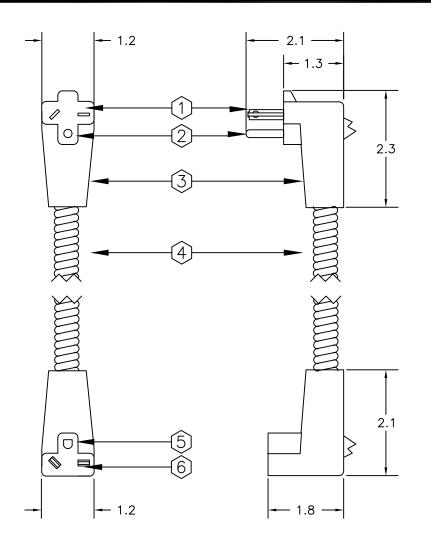
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TOLL-FREE (866) 233-5328 FAX (866) 933-1933

101347SCSccIIId

SCS.8

DRAWN BY: J.Y.	APPROVED: D.H.	
DATE: 27-NOV-08	SCALE: N.T.S.	101347



- (1) BRASS BLADE
- 2 BRASS GROUND PIN
- 3 MOULDED THERMOPLASTIC
- (4) "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and UL 1569)
- (5) BRASS GROUND TERMINAL
- (6) BRASS TERMINAL

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 277V OR 347V BRANCH CIRCUIT.

MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE.

INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC.

ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS
PER CEC PART I 12-010(3) OR NEC 300-22(C)

MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

ACCEPTABLE MEANS FOR DISCONNECTING LUMINARIES PER CEC PART I 30-308(4) OR NEC 410.73(G).

Manufactured with "AC90/MC"



Manufactured Manufactured

with "AC90"

with "MC"

R 91749

277 OR 347 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS	Γ
4	BARE	1	GROUND	1
	WHITE	2	NEUTRAL	1
	BLACK	3	LINE	L
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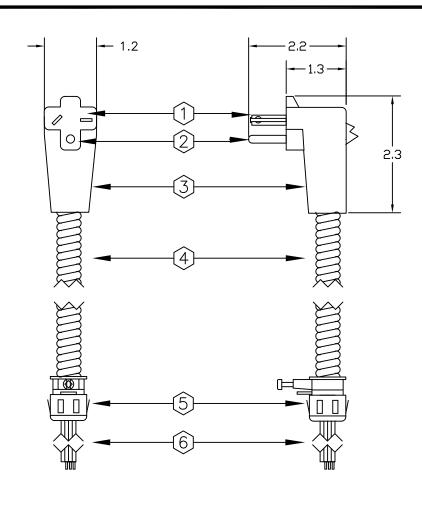
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## JOINER CABLE

102347JCSccIIId

DRAWN BY: J.Y.	APPROVED: D.H.
DATE: 27-NOV-08	SCALE: N.T.S.

102347JCS.8



- (1) BRASS BLADE
- 2 BRASS GROUND PIN
- (3) MOULDED THERMOPLASTIC
- (4) "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and UL 1569)
- (5) LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- (6) TAIL WITH STRIPPED ENDS

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 277V OR 347V BRANCH CIRCUIT.

MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE.

INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC.

ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C)

MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

ACCEPTABLE MEANS FOR DISCONNECTING LUMINARIES PER CEC PART I 30-308(4) OR NEC 410.73(G).

Manufactured with "AC90/MC"



Manufactured Manufactured

with "AC90"



IR 91749

277 OR 347 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
4	BARE	1	GROUND
	WHITE	2	NEUTRAL
	BLACK	3	LINE

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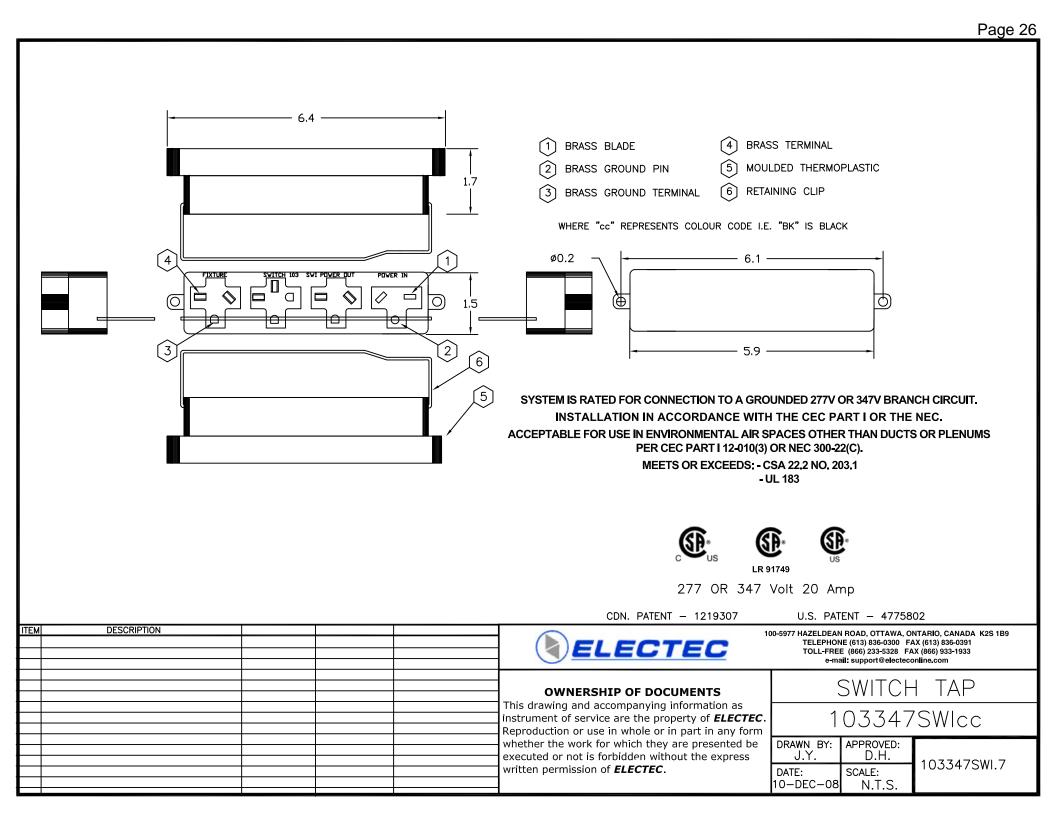
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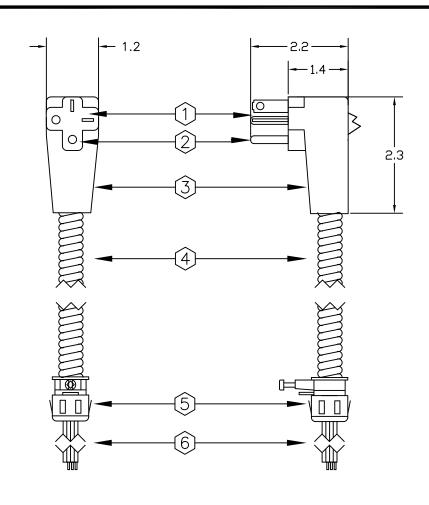
### DROP CABLE

102347JCSTccIIId

DRAWN BY:	APPROVED:
J.Y.	D.H.
DATE:	SCALE:
27-NOV-08	N.T.S.

102347JCST.9





- BRASS BLADE
- BRASS GROUND PIN
- MOULDED THERMOPLASTIC
- (4) "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and UL 1569)
- (5) LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- TAIL WITH STRIPPED ENDS

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 277V OR 347V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC. ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS

> PER CEC PART I 12-010(3) OR NEC 300-22(C) **MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1** - UL 183

Manufactured with "AC90/MC"



Manufactured Manufactured with



with "MC"

277 OR 347 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
4	BARE	1	GROUND
	WHITE		LINE
	BLACK	3	SWITCH LEG/RETURN
	BLANK	4	NOT CONNECTED

# ELECTEC

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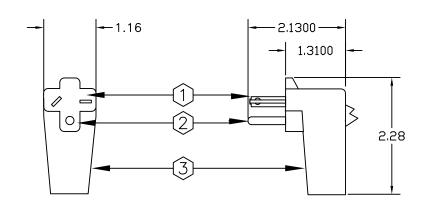
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### CABLE

104347SWCSccIIId

DRAWN BY: J.Y.	APPROVED: D.H.
DATE:	SCALE:
27-NOV-08	N.T.S.

104347SWCS.9



- (1) BRASS BLADE
- (2) BRASS GROUND PIN
- (3) MOULDED THERMOPLASTIC

WHERE "cc" REPRESENTS COLOUR CODE I.E. "BK" IS BLACK

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 277V OR 347V BRANCH CIRCUIT.

MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE.

INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC.

ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS
PER CEC PART I 12-010(3) OR NEC 300-22(C)

MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183







277 OR 347 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS	
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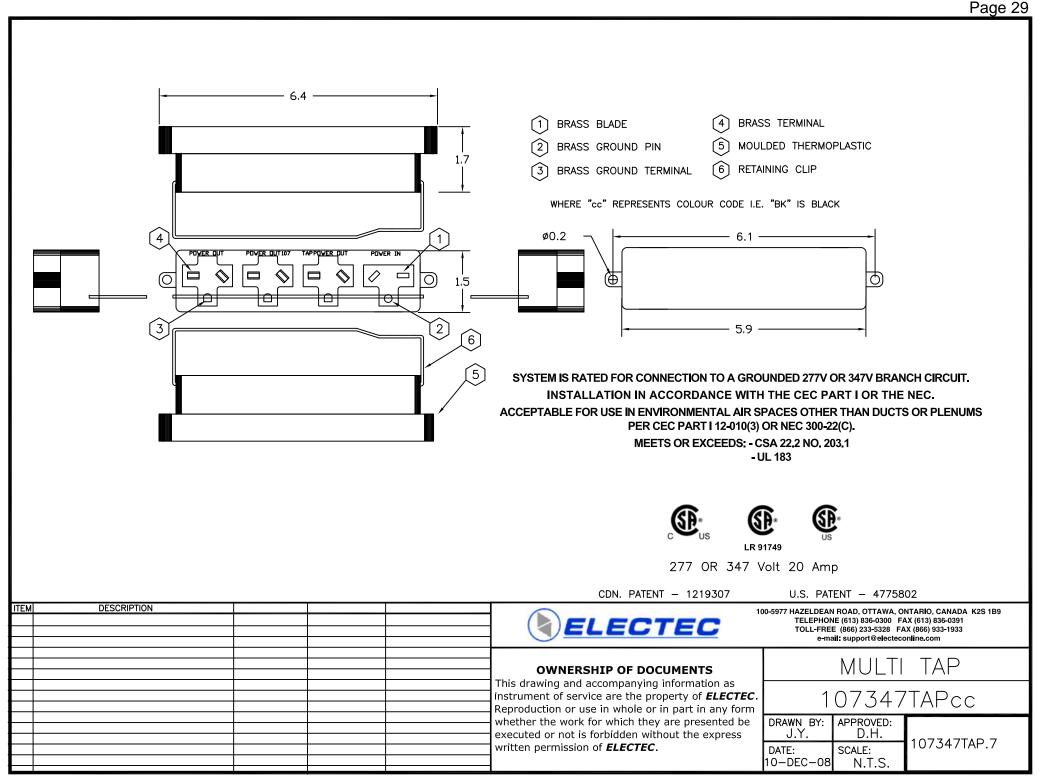
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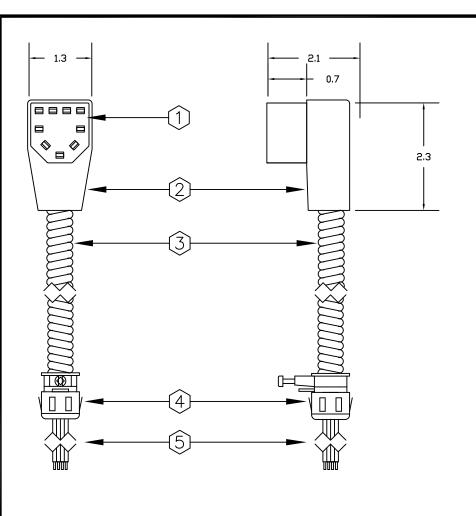
## BLANKING PLUG

105347BPcc

DRAWN BY: J.Y.	APPROVED: D.H.
DATE: 27-NOV-08	SCALE: N.T.S.

105347BP.6





- BRASS TERMINAL
- MOULDED THERMOPLASTIC
- "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and/or UL 1569)
- LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- TAILS WITH STRIPPED ENDS

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125/250V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC. ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C)

> MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

Manufactured "AC90/MC"

Manufactured Manufactured "AC90"

"MC"





125/250 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	F	PART#/POSITION	REMARKS	Г
3	BARE		1	GROUND	1
	GREEN/YELLOWTRACER		2	ISOLATED GROUND	1
	WHITE/RED TRACER		3	NEUTRAL	L
	RED		4	LINE CCT. 1/PHASE A	Γ
	WHITE/BLACK TRACER		5	NEUTRAL	l
	BLACK		6	LINE CCT. 2/PHASE B	l
	WHITE/BLUE TRACER		7	NEUTRAL	1
	BLUE		8	LINE CCT. 3/PHASE C	l
	GREEN/ORANGE TRACER		9	ISOLATED GROUND	l
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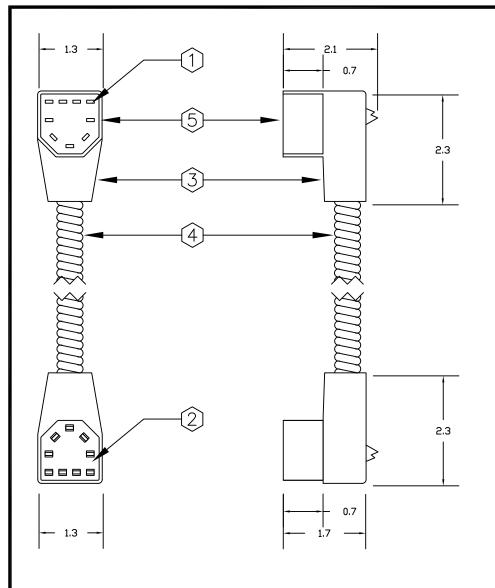
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#### STARTER CABLE

w2FTccllld

DRAWN BY: J.Y.	APPROVED: D.H.
DATE:	SCALE:
10-DEC-08	N.T.S.

w2FT.2



- (1) BRASS BLADE
- 2 BRASS TERMINAL
- 3 MOULDED THERMOPLASTIC
- 4) "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and/or UL 1569)
- 5 SHROUD

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125/250V BRANCH CIRCUIT.

MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE.

INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC.

ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS
PER CEC PART I 12-010(3) OR NEC 300-22(C)

MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

Manufactured with "AC90/MC" Manufactured Manufactured with with "AC90" "MC"





LR 91749

125/250 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
4	BARE	1	GROUND
	GREEN/YELLOW TRACER	2	ISOLATED GROUND
	WHITE/RED TRACER	3	NEUTRAL
	RED	4	LINE CCT. 1/PHASE A
	WHITE/BLACK TRACER	5	NEUTRAL
	BLACK	6	LINE CCT. 2/PHASE B
	WHITE/BLUE TRACER	7	NEUTRAL
	BLUE	8	LINE CCT. 3/PHASE C
	GREEN/ORANGE TRACER	9	ISOLATED GROUND

			_	
	_	C		

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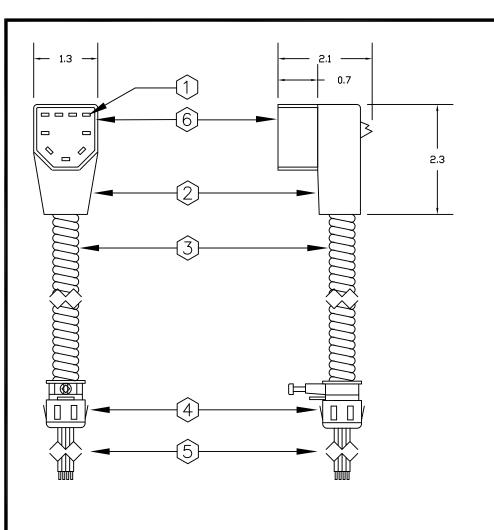
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### JOINER CABLE

w2MFccllld

DRAWN BY: J.Y.	APPROVED: D.H.
DATE:	SCALE:
10-DEC-08	N.T.S.

w2MF.8



- BRASS BLADE
- MOULDED THERMOPLASTIC
- "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and/or UL 1569)
- LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- TAILS WITH STRIPPED ENDS
- SHROUD

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125/250V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC. ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS

> PER CEC PART I 12-010(3) OR NEC 300-22(C) MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

Manufactured "AC90/MC"

Manufactured Manufactured "AC90"

"MC"



LR 91749

125/250 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

				_
ITEM	DESCRIPTION	PART#/POSITION	REMARKS	Γ
3	BARE	1	GROUND	1
	GREEN/YELLOW TRACER	2	ISOLATED GROUND	1
	WHITE/RED TRACER	3	NEUTRAL	l
	RED	4	LINE CCT. 1/PHASE A	ſ
	WHITE/BLACK TRACER	5	NEUTRAL	J
	BLACK	6	LINE CCT. 2/PHASE B	1
	WHITE/PLUE TRACER	7	NEUTRAL	1
	BLUE	8	LINE CCT. 3/PHASE C	1
	GREEN/ORANGE TRACER	9	ISOLATED GROUND	1
	·			l
				1
				1
				1
				1
				_



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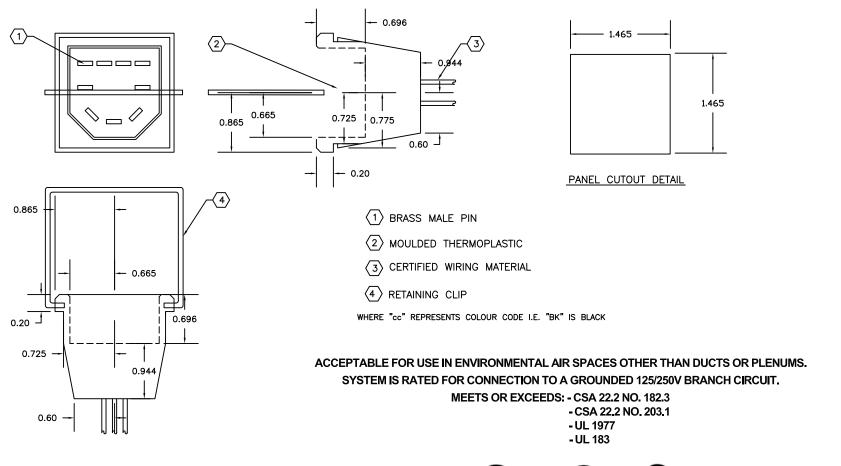
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DROP	CABLE
_ , , _ ,	~

w2MTccllld

DRAWN BY:	APPROVED:
J.Y.	D.H.
DATE:	SCALE:
10-DEC-08	N.T.S.

w2MT.8









125/250 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
3	GREEN	1	GROUND
	GREEN/YELLOW TRACER	2	ISOLATED GROUND
	WHITE/RED TRACER	3	NEUTRAL
	RED	4	LINE CCT. 1/PHASE A
	WHITE/BLACK TRACER	5	NEUTRAL
	BLACK	6	LINE CCT. 2/PHASE B
	WHITE/BLUE TRACER	7	NEUTRAL
	BLUE	80	LINE CCT. 3/PHASE C
	GREEN/ORANGE TRACER	o,	ISOLATED GROUND
	·		



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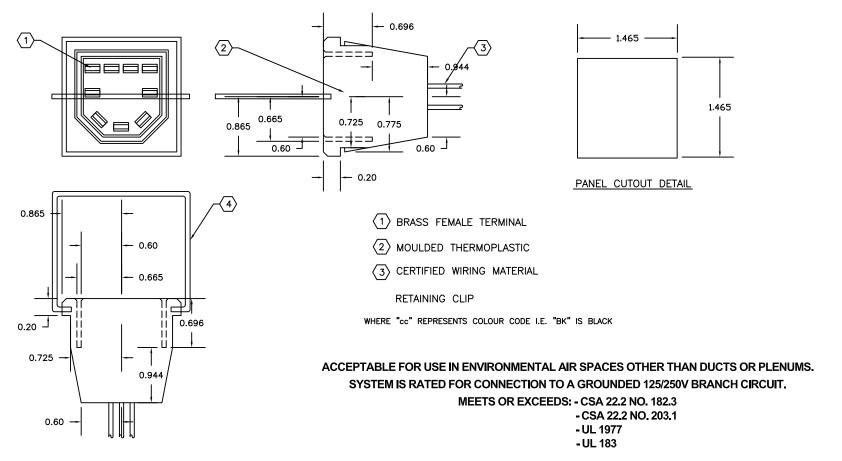
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w2Pcc

DRAWN BY:	APPROVED:
J.Y.	D.H.
DATE:	SCALE:
21-OCT-08	N.T.S.

w2P.4







LR 91749



125/250 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
3	GREEN	1	GROUND
	GREEN/YELLOW TRACER	2	ISOLATED GROUND
	WHITE/RED TRACER	3	NEUTRAL
	RED	4	LINE CCT. 1/PHASE A
	WHITE/BLACK TRACER	5	NEUTRAL
	BLACK	6	LINE CCT. 2/PHASE B
	WHITE/BLUE TRACER	7	NEUTRAL
	BLUE	8	LINE CCT. 3/PHASE C
	GREEN/ORANGE TRACER	9	ISOLATED GROUND



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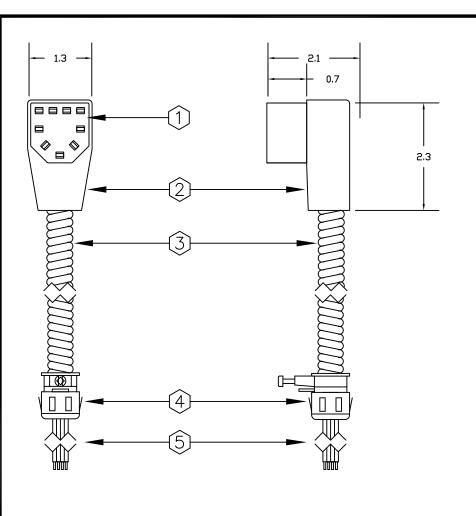
100-5977 HAZELDEAN ROAD, OTTAWA, ONTARIO, CANADA K2S 1B9

w2Rcc

DRAWN BY: APPROVED: J.Y. D.H.

DATE: SCALE: 21-OCT-08 N.T.S.

w2R.8



- BRASS TERMINAL
- MOULDED THERMOPLASTIC
- "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and/or UL 1569)
- LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- TAILS WITH STRIPPED ENDS

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125/250V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC. ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C)

> MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

Manufactured "AC90/MC"

Manufactured Manufactured "AC90"



LR 91749

125/250 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
3	BARE	1	GROUND
	BLACK/YELLOW TRACER	2	DEDICATED LINE
	WHITE/RED TRACER	3	NEUTRAL
	RED	4	LINE CCT. 1/PHASE A
	WHITE/BLACK TRACER	5	NEUTRAL
	BLACK	6	LINE CCT. 2/PHASE B
	WHITE/BLUE TRACER	7	NEUTRAL
	BLUE	8	LINE CCT. 3/PHASE C
	WHITE/YELLOW TRACER	9	NEUTRAL



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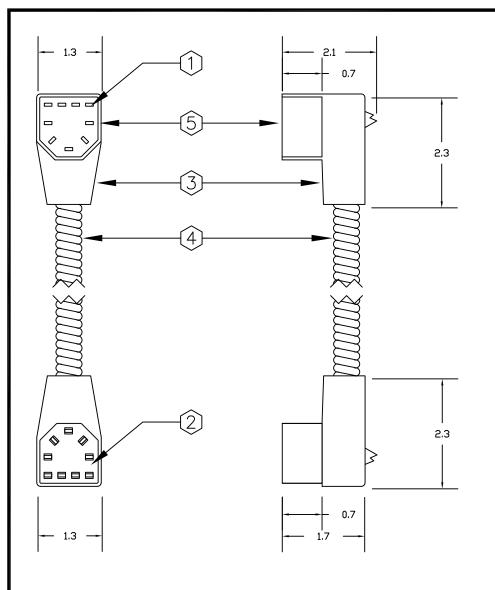
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#### STARTER CABLE

w4FTccllld

DRAWN BY: J.Y.	APPROVED: D.H.
DATE:	SCALE:
10-DEC-08	N.T.S.

w4FT.2



- BRASS BLADE
- BRASS TERMINAL
- MOULDED THERMOPLASTIC
- "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and/or UL 1569)
- (5) SHROUD

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125/250V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC. ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C)

> MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

Manufactured "AC90/MC"

Manufactured Manufactured "AC90"



LR 91749

125/250 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITIC	N REMARKS
4	BARE	1	GROUND
	BLACK/YELLOW TRACER	2	DEDICATED LINE
	WHITE/RED TRACER	3	NEUTRAL
	RED	4	LINE CCT. 1/PHASE A
	WHITE/BLACK TRACER	5	NEUTRAL
	BLACK	6	LINE CCT. 2/PHASE B
	WHITE/BLUE TRAC_R	7	NEUTRAL
	BLUE	8	LINE CCT. 3/PHASE C
	WHITE/YELLOW TRACER	9	NEUTRAL



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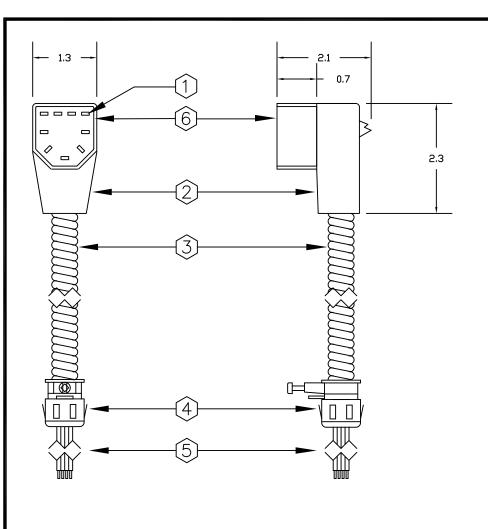
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### JOINER CABLE

w4MFccllld

DRAWN BY:	APPROVED:
J.Y.	D.H.
DATE:	SCALE:
10-DEC-08	N.T.S.

w4MF.8



- BRASS BLADE
- MOULDED THERMOPLASTIC
- "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and/or UL 1569)
- LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- TAILS WITH STRIPPED ENDS
- SHROUD

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125/250V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC. ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS

> PER CEC PART I 12-010(3) OR NEC 300-22(C) MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

Manufactured "AC90/MC"

Manufactured Manufactured "AC90"

"MC"







125/250 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

_			
ITEM	DESCRIPTION	PART#/POSITI	ON REMARKS
3	BARE	1	GROUND
	BLACK/YELLOW TPACER	2	DEDICATED LINE
	WHITE/RED TRACER	3	NEUTRAL
	RED	4	LINE CCT. 1/PHASE A
	WHITE/BLACK TRACER	5	NEUTRAL
	BLACK	6	LINE CCT. 2/PHASE B
	WHITE/BLUE TRACER	7	NEUTRAL
	BLUE	8	LINE CCT. 3/PHASE C
	WHITE/YELLOW TRACER	9	NEUTRAL



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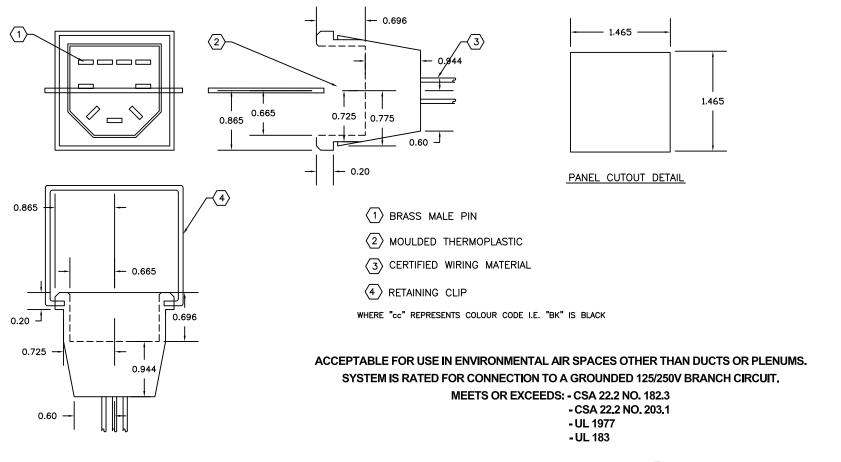
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DROP	CABLE	
$D \cap C \cap C$		

w4MTccllld

DRAWN BY: J.Y.	APPROVED: D.H.
DATE:	SCALE:
10-DEC-08	N.T.S.

w4MT.8









CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
3	GREEN	1	GROUND
	BLACK/YELLOW TRACER	2	DEDICATED LINE
	WHITE/RED TRACER	3	NEUTRAL
	RED	4	LINE CCT. 1/PHASE A
	WHITE/BLACK TRACER	5	NEUTRAL
	BLACK	6	LINE CCT. 2/PHASE B
	WHITE/BLUE TRACER	7	NEUTRAL
	BLUE	8	LINE CCT. 3/PHASE C
	WHITE/YELLOW TRACER	9	NEUTRAL
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TOLL-FREE (866) 233-5328 FAX (866) 933-1933				
e-mail: support@electeconline.com				

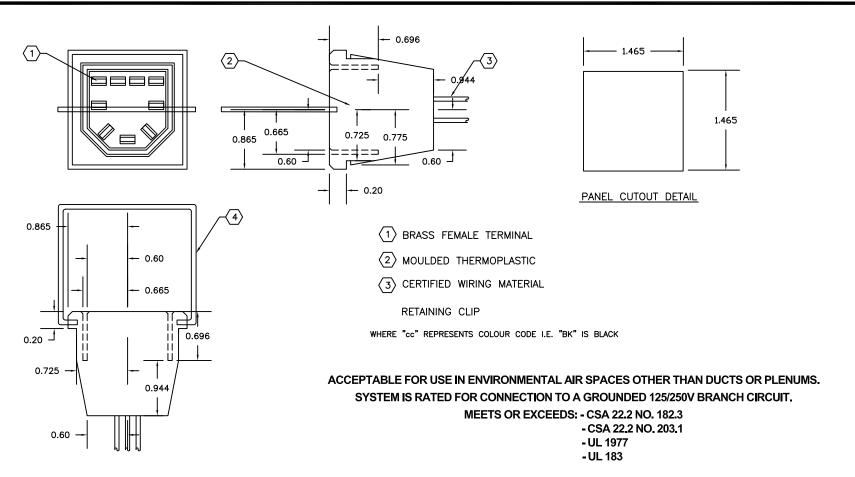
SINGLE PLUG

W4Pcc

DRAWN BY: APPROVED:
J.Y. D.H.

DATE: SCALE:
21-OCT-08 N.T.S.

w4P.6









CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
3	GREEN	1	GROUND
	BLACK/YELLOW TRACER	2	DEDICATED LINE
	WHITE/RED TRACER	3	NEUTRAL
	RED	4	LINE CCT. 1/PHASE A
	WHITE/BLACK TRACER	5	NEUTRAL
	BLACK	6	LINE CCT. 2/PHASE B
	WHITE/BLUE TRACER	7	NEUTRAL
	BLUE	8	LINE CCT. 3/PHASE C
	WHITE/YELLOW TRACER	9	NEUTRAL



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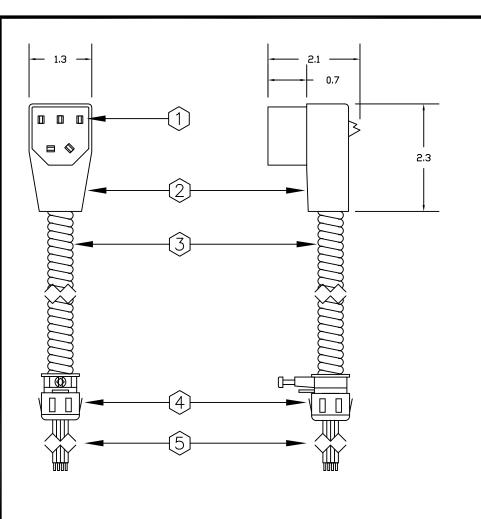
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TOLL-FREE (866) 233-5328 FAX (866) 933-1933					
e-mail: support@electeconline.com					

w4Rcc

SINGLE RECEPTACLE

DRAWN BY:	APPROVED:
J.Y.	D.H.
DATE:	SCALE:
21-OCT-08	N.T.S.

w4R.5



- BRASS TERMINAL
- MOULDED THERMOPLASTIC
- "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and/or UL 1569)
- LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- TAILS WITH STRIPPED ENDS

> SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125/250V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC.

ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C)

> MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

ACCEPTABLE MEANS FOR DISCONNECTING LUMINARIES PER CEC PART I 30-308(4) OR NEC 410.73(G).

> Manufactured "AC90/MC"

Manufactured Manufactured "AC90"

"MC"



LR 91749

125/250 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
3	BARE	1	GROUND
	WHITE	2	NEUTRAL
	RED	3	LINE CCT. 1/PHASE A
	BLACK	4	LINE CCT. 2/PHASE B
	BLUE	5	LINE CCT. 3/PHASE C
_			



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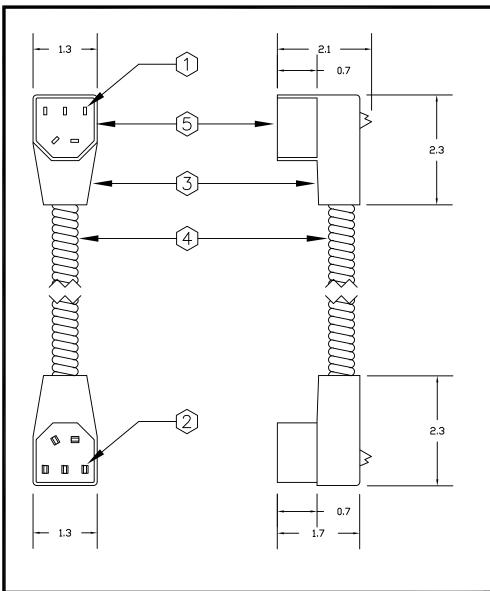
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w6FTccllld

DRAWN BY: J.Y.	APPROVED: D.H.
DATE:	SCALE:
10-DEC-08	N.T.S.

w6FT.8



- BRASS BLADE
- BRASS TERMINAL
- MOULDED THERMOPLASTIC
- "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and/or UL 1569)
- (5) SHROUD

WHERE "cc" REPRESENTS COLOUR CODE I.E. "BK" IS BLACK WHERE "d" REPRESENTS CERTIFIED WIRING MATERIAL I.E. "A" IS AC90 WHERE "III" REPRESENTS LENGTH CODE I.E. "040" IS 04.0 METERS

WHERE "w" REPRESENTS NUMBER OF WIRES FROM 3 TO 5

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125/250V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC.

ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C)

> MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

ACCEPTABLE MEANS FOR DISCONNECTING LUMINARIES PER CEC PART I 30-308(4) OR NEC 410.73(G).

> Manufactured "AC90/MC"

Manufactured Manufactured "AC90"







LR 91749

125/250 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
4	BARE	1	GROUND
	WHITE	2	NEUTRAL
	RED	3	LINE CCT. 1/PHASE A
	BLACK	4	LINE CCT. 2/PHASE B
	BLUE	5	LINE CCT. 3/PHASE C
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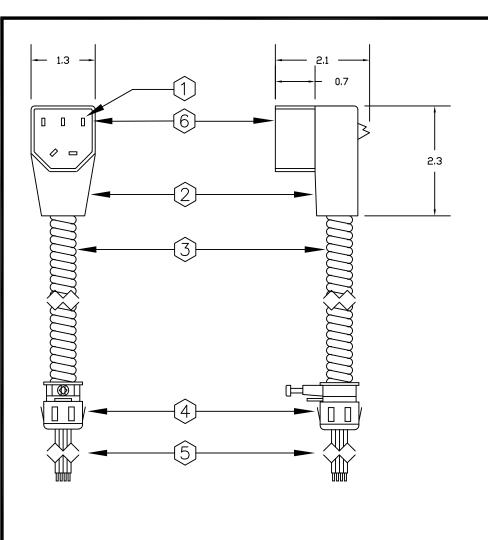
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# JOINER CABLE

w6MFccllld

DRAWN BY: J.Y.	APPROVED: D.H.
DATE:	SCALE:
10-DEC-08	N.T.S.

w6MF.9



- 1 BRASS BLADE
- 2 MOULDED THERMOPLASTIC
- 3) "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and/or UL 1569)
- 4 LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- (5) TAILS WITH STRIPPED ENDS
- 6 SHROUD

WHERE "cc" REPRESENTS COLOUR CODE I.E. "BK" IS BLACK WHERE "d" REPRESENTS CERTIFIED WIRING MATERIAL I.E. "A" IS AC90

WHERE "III" REPRESENTS LENGTH CODE I.E. "040" IS 04.0 METERS

WHERE "w" REPRESENTS NUMBER OF WIRES FROM 3 TO 5

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125/250V BRANCH CIRCUIT.

MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE.

INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC.

ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C)

MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183

# ACCEPTABLE MEANS FOR DISCONNECTING LUMINARIES PER CEC PART I 30-308(4) OR NEC 410.73(G).

Manufactured with "AC90/MC"

Manufactured Manufactured with with "AC90" "MC"





LR 91749

125/250 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
3	BARE	1	GROUND
	WHITE	2	NEUTRAL
	RED	3	LINE CCT. 1/PHASE A
	BLACK	4	LINE CCT. 2/PHASE B
	BLUE	5	LINE CCT. 3/PHASE C



100-5977 HAZELDEAN ROAD, OTTAWA, ONTARIO, CANADA K2S 1B9 TELEPHONE (613) 836-0300 FAX (613) 836-0391 TOLL-FREE (866) 233-5328 FAX (866) 933-1933 e-mail: support@electeconline.com

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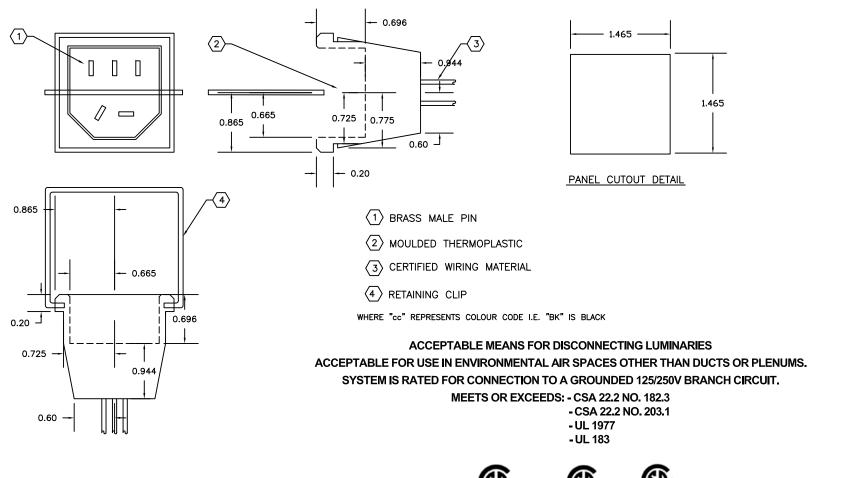
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DROP	CABLE

w6MTccllld

DRAWN BY: J.Y.	APPROVED: D.H.
DATE: 10-DEC-08	SCALE: N.T.S.

w6MT.8









CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	F	PART#/POSITION	REMARKS
3	GREEN		1	GROUND
	WHITE		2	NEUTRAL
	RED		3	LINE CCT. 1/PHASE A
	BLACK		4	LINE CCT. 2/PHASE B
Ь	BLUE		5	LINE CCT. 3/PHASE C
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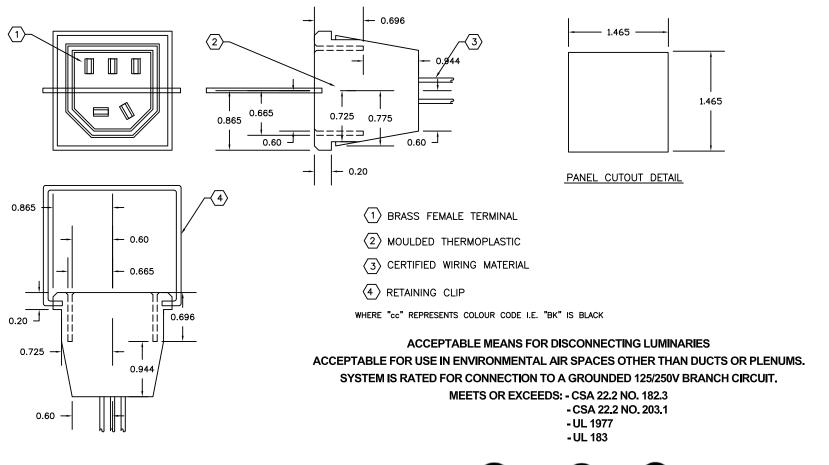
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SINGLE	PLUG

w6Pcc

DRAWN BY:	APPROVED:
J.Y.	D.H.
DATE:	SCALE:
21-OCT-08	N.T.S.

w6P.2







LR 91749



125/250 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
3	GREEN	1	GROUND
	WHITE	2	NEUTRAL
	RED	3	LINE CCT. 2/PHASE A
	BLACK	4	LINE CCT. 2/PHASE B
	BLUE	5	LINE CCT. 3/PHASE C
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100-5977 HAZELDEAN ROAD, OTTAWA, ONTARIO, CANADA K2S 1B9 TELEPHONE (613) 836-0300 FAX (613) 836-0391 TOLL-FREE (866) 233-5328 FAX (866) 933-1933 e-mail: support@electeconline.com

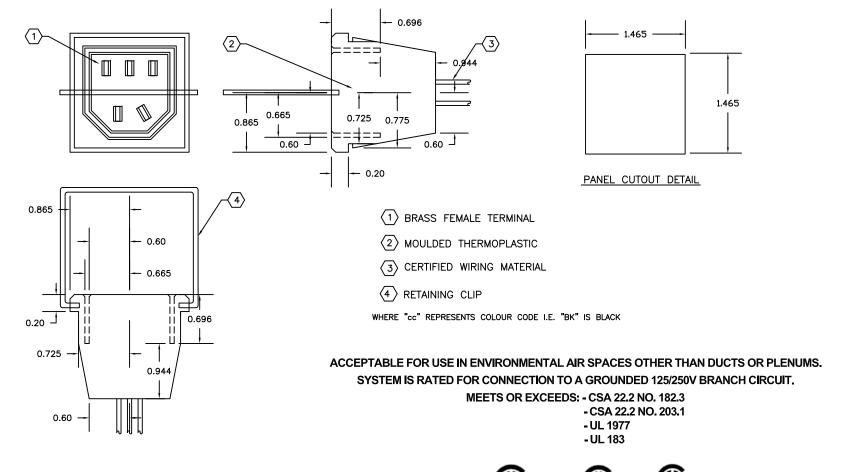
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w6Rcc

DRAWN BY:	APPROVED:
J.Y.	D.H.
DATE:	SCALE:
21-0CT-08	N.T.S.

w6R.2









CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
3	GREEN		GROUND
	WHITE		LINE
	RED	3	SWITCH LEG/RETURN1
	BLACK		SWITCH LEG/RETURN2
	BLUE	5	SWITCH LEG/RETURN3
			,
ــــــ			



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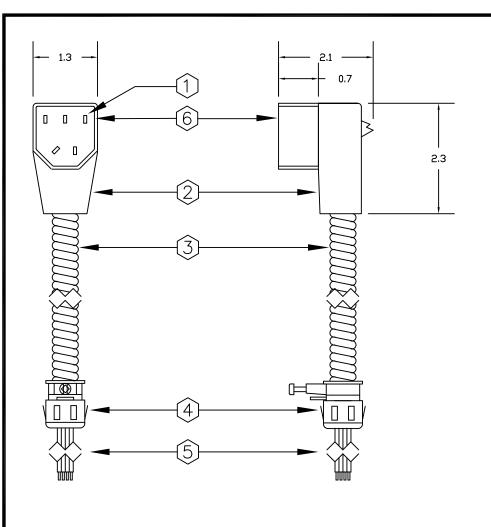
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SWITCH	RECEPTACLE
	w6Scc

DRAWN BY:	APPROVED:
J.Y.	D.H.
DATE:	SCALE:
21-0CT-08	N.T.S.

w6S.4



- BRASS BLADE
- MOULDED THERMOPLASTIC
- "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and/or UL 1569)
- LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- TAILS WITH STRIPPED ENDS
- **SHROUD**

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 125/250V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC. ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART I 12-010(3) OR NEC 300-22(C)

> MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 -UL 183

Manufactured "AC90/MC"

Manufactured Manufactured "AC90"

"MC"



LR 91749

125/250 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	P	PART#/POSITION	REMARKS
3	BARE		1	GROUND
	WHITE		2	NEUTRAL
	RED		3	LINE CCT. 1/PHASE A
	BLACK		4	LINE CCT. 2/PHASE B
	BLUE		5	LINE CCT. 3/PHASE C
				-

# ELECTEC

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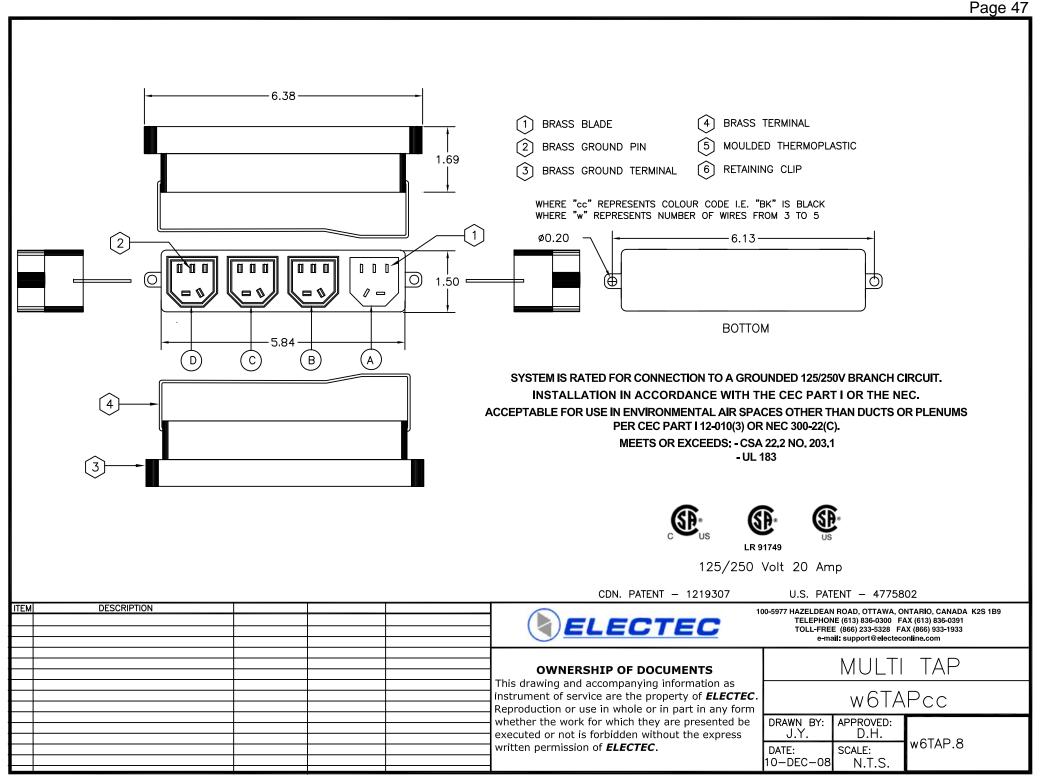
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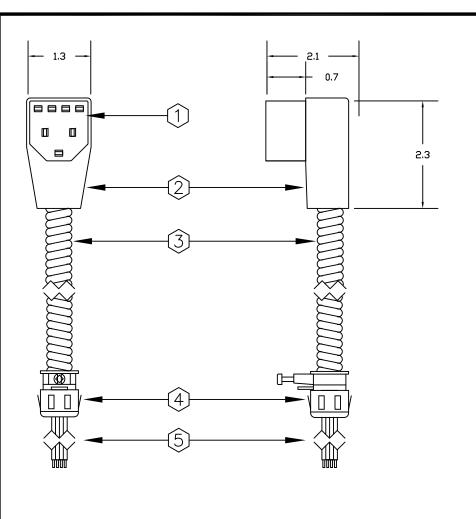
SWITCH	CABLE	-
$\supset$ VVII $\bigcup$ I		_

w6STccllld

DRAWN BY: J.Y.	APPROVED: D.H.
DATE:	SCALE:
10-DEC-08	N.T.S.

w6ST.4





- BRASS TERMINAL
- MOULDED THERMOPLASTIC
- "ULTRALX" AC90 LS 600V 90°C (CSA 22.2 No. 51-95)
- LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- TAILS WITH STRIPPED ENDS

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 277/480V OR 347/600V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I.

ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS PER CEC PART | 12-010(3).

MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1

Manufactured "AC90/MC"

Manufactured Manufactured "AC90"



LR 91749

U.S. PATENT - 4775802

277/480 OR 347/600 Volt 20 Amp

ELECTEC

CDN. PATENT - 1219307

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#### CABLE STARTER

w7FTccllld

DRAWN BY:	APPROVED:
J.Y.	D.H.
DATE:	SCALE:
10-DEC-08	N.T.S.

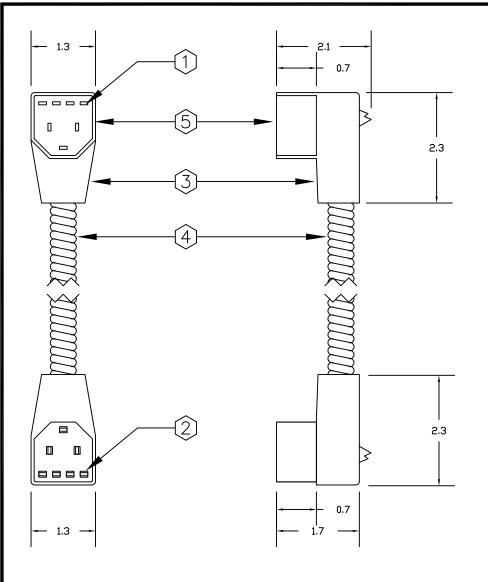
w7FT.2

3	BARE		1	GROUND	ı
	BLACK/YELLOW TRACER		2	DEDICATED LINE	]
	WHITE		3	NEUTRAL	L
	RED		4	PHASE A	Γ
	BLACK		5	PHASE B	1
	BLUE		6	PHASE C	]
	WHITE/YELLOW TRACER		7	DEDICATED NEUTRAL	]
					1
					]
					1
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					]
					]
		·			1
					L

PART#/POSITION

REMARKS

DESCRIPTION



- BRASS BLADE
- BRASS TERMINAL
- MOULDED THERMOPLASTIC
- "ULTRALX" AC90 LS 600V 90°C (CSA 22.2 No. 51-95)
- SHROUD

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 277/480V OR 347/600V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I. ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS

> PER CEC PART I 12-010(3). MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1

Manufactured "AC90/MC"

Manufactured Manufactured "AC90"

"MC"



LR 91749

277/480 OR 347/600 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS	Γ
4	BARE	1	GROUND	1
	BLACK/YELLOW TRACER	2	DEDICATED LINE	]
	WHITE	3	NEUTRAL	1
	RED	4	PHASE A	J
	BLACK	5	PHASE B	1
	BLUE	6	PHASE C	1
	WHITE/YELLOW TRACER	7	DEDICATED NEUTRAL	1
				1
				1
				1
				1
				1
				1
				1
				_

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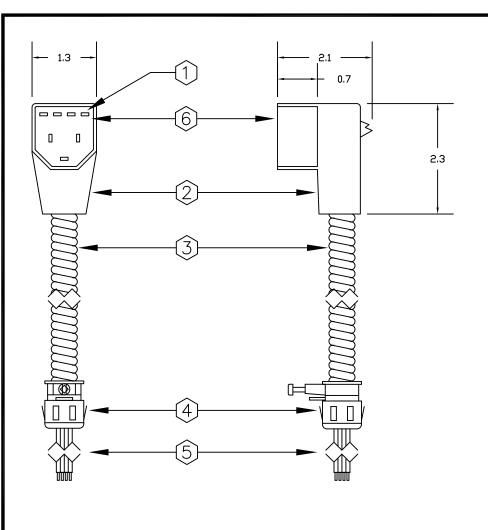
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# JOINER CABLE

w7MFccllld

DRAWN BY: J.Y.	APPROVED: D.H.
DATE:	SCALE:
10-DEC-08	N.T.S.

w7MF.9



- BRASS BLADE
- MOULDED THERMOPLASTIC
- "ULTRALX" AC90 LS 600V 90°C (CSA 22.2 No. 51-95)
- LOCKNUTLESS BOX CONNECTOR 1/2" K.O.
- TAILS WITH STRIPPED ENDS
- SHROUD

SYSTEM IS RATED FOR CONNECTION TO A GROUNDED 277/480V OR 347/600V BRANCH CIRCUIT. MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE. INSTALLATION IN ACCORDANCE WITH THE CEC PART I. ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS

> PER CEC PART I 12-010(3). MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1

Manufactured "AC90/MC"

Manufactured Manufactured "AC90"



LR 91749

277/480 OR 347/600 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS	Ι
3	BARE	1	GROUND	1
	BLACK/YELLOW TRACER	2	DEDICATED LINE	1
	WHITE	3	NEUTRAL	l
	RED	4	PHASE A	Γ
	BLACK	5	PHASE B	┛
	BLUE	6	PHASE C	1
	WHITE/YELLOW TRACER	7	DEDICATED NEUTRAL	_
				┛
				1
				1
				1
				1
				1
				1
				_

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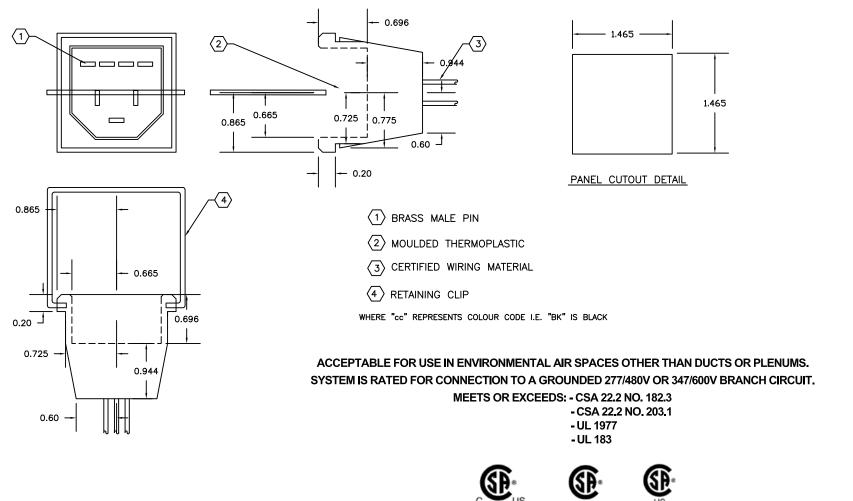
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DROP	CABLE
	· · · — — —

w7MTccllld

DRAWN BY:	APPROVED:
J.Y.	D.H.
DATE:	SCALE:
10-DEC-08	N.T.S.

w7MT.9







277/480 OR 347/600 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
3	GREEN	1	GROUND
	BLACK/YELLOW TRACER	2	DEDICATED LINE
	WHITE	3	NEUTRAL
	RED	4	LINE CCT. 1/PHASE A
	BLACK	5	LINE CCT. 2/PHASE B
	BLUE	6	LINE CCT 3/PHASE C
	WHITE/YELLOW TRACER	7	DEDICATED NEUTRAL



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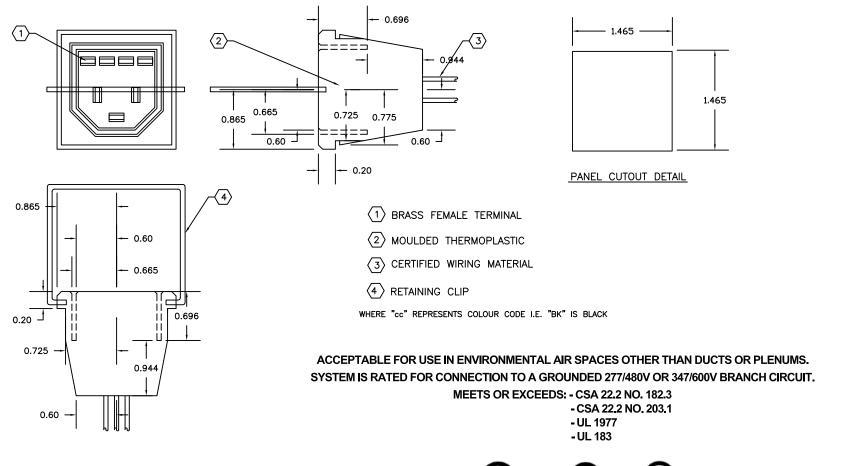
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SINGLE	PLUG
w7P	CC

DRAWN BY:	APPROVED:
J.Y.	D.H.
DATE:	SCALE:
21-0CT-08	N.T.S.

w7P.3









277/480 OR 347/600 Volt 20 Amp

CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
3	GREEN	1	GROUND
	BLACK/YELLOW TRACER	2	DEDICATED LINE
	WHITE	3	NEUTRAL
	RED	4	LINE CCT. 1/PHASE A
Ь	BLACK	5	LINE CCT. 2/PHASE B
	BLUE	6	LINE CCT. 3/PHASE C
	WHITE/YELLOW TRACER	7	DEDICATED NEUTRAL



# 0111015

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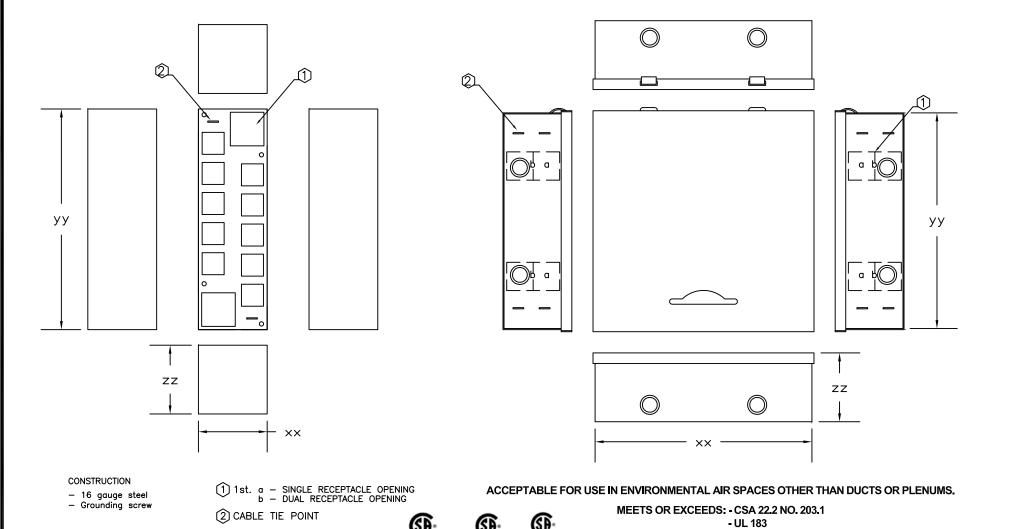
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SINGLE	RECEPTACLE
	w7Rcc

DRAWN BY:	APPROVED:	
J.Y.	D.H.	
DATE:	SCALE:	
21-0CT-08	N.T.S.	

w7R.6







CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS
	1		



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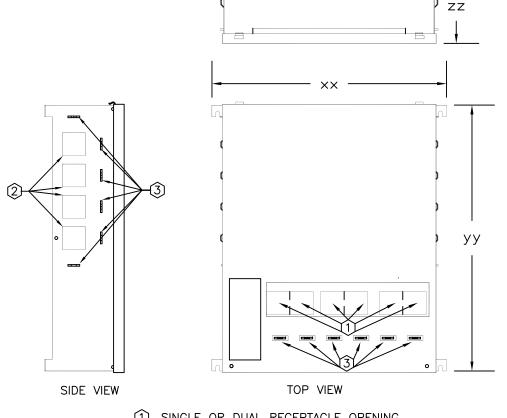
100-5977 HAZELDEAN ROAD, OTTAWA	A, ONTARIO, CANADA	K25 1B9
TELEPHONE (613) 836-0300	FAX (613) 836-0391	
TOLL-FREE (866) 233-5328	FAX (866) 933-1933	
e-mail: support@elec	teconline.com	

**ENCLOSURE** 

Bxxyyzz

DRAWN BY: J.Y.	APPROVED D.H.
DATE:	SCALE: N T S

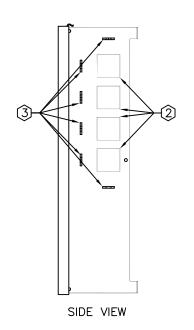
Bxxyyzz.0

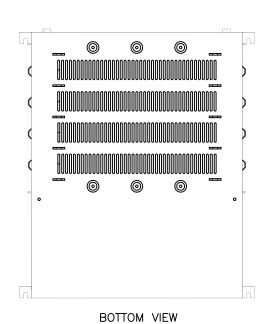


BACK VIEW

# ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS. MEETS OR EXCEEDS: - CSA 22,2 NO, 203,1

-UL 183





- SINGLE OR DUAL RECEPTACLE OPENING
- SINGLE OR DUAL RECEPTACLE KNOCKOUT
- CABLE TIE POINT

NOTES: 16 GUAGE STEEL







CDN. PATENT - 1219307

U.S. PATENT - 4775802

ITEM	DESCRIPTION	PART#/POSITION	REMARKS



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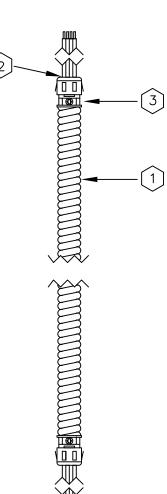
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TELEPHONE (613) 836-0300 FAX (613) 836-0391	
TOLL-FREE (866) 233-5328 FAX (866) 933-1933	
e-mail: support@electeconline.com	

Exxyyzz

**ENCLOSURE** 

DRAWN BY: J.Y.	APPROVED: D.H.
DATE:	SCALE:
12-SEP-07	N.T.S.

Exxyyzz.0



- 1) "ULTRALX" AC90/MC or AC90 or MC LS 600V 90°C (CSA 22.2 No. 51-95 and/or UL 1569)
- (2) ANTISHORT BUSHING
- (3) BOX CONNECTOR

"d' REPRESENTS CERTIFIED WIRING MATERIAL. I.E. "A" IS AC90

"III" REPRESENTS LENGTH CODE I.E. "040" IS 04.0 METERS

"nn" REPRESENTS NUMBER OF CONDUCTORS

"t" REPRESENTS "S" 60" TAIL ON ONE END AND 8" TAIL ON OTHER END (BOTH ENDS STRIPPED)
"T" 8" TAIL ON ONE END AND 8" TAIL ON OTHER END (BOTH ENDS STRIPPED)

"ww" REPRESENTS WIRE GAUGE I.E. "12" 12 AWG

"xx" REPRESENTS NUMBER OF STRANDS

MANUFACTURED WIRING SYSTEM UTILIZING 12 AWG APPROVED ULTRALX CABLE.
INSTALLATION IN ACCORDANCE WITH THE CEC PART I OR THE NEC.
ACCEPTABLE FOR USE IN ENVIRONMENTAL AIR SPACES OTHER THAN DUCTS OR PLENUMS
PER CEC PART I 12-010(3) OR NEC 300-22(C)

MEETS OR EXCEEDS: - CSA 22.2 NO. 203.1 - UL 183







LR 91749

CDN. PATENT - 1219307

U.S. PATENT - 4775802

IIEM	DESCRIPTION	PART#/POSITION	REMARKS

# **ELECTEC**

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"ULTRALX"	HOMERUN

UtnnwwxxIIId/UtnnwwxxnnwwxxIIId

DRAWN BY:	APPROVED:
J.Y.	D.H.
DATE:	SCALE:
10-DEC-08	N.T.S.

UtnnwwxxIIId.0



# **ULTRALX®** Dual-Listed AC90/MC Armoured Cable

Meeting the following requirements:

- CSA 22.2 No. 51-95 (AC90) for use in Canada
- UL 1569 (Type MC) for use in US





## **Applications**

For use in service, feeder and branch circuits in commercial, industrial, multi-residential buildings and places of assembly. For exposed and concealed wiring in dry locations (90°C).

Intended for installation in accordance with the Canadian Electrical Code Part 1 or National Electrical Code (NEC) Article 330, or other applicable parts of the NEC; where appropriate.

## **Specification**

PVC/Nylon Insulated Copper Conductors 14 AWG to 6 AWG (Solid or Stranded) 600 volts Polyester Tape Aluminum Interlocking Armour Limited Smoke Rating (ST1) Lightweight Construction

## **Special Considerations**

Multiple Grounding Conductors Oversized Neutral Conductors Multi-Conductors (Multi-circuit)

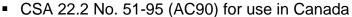
Special requests can be made online at <a href="mailto:support@electeconline.com">support@electeconline.com</a> or by phone (613) 836-0300

	Product	Circuit	Neutral	Ground	Nominal OD	Weight (lbs/1000')
ULTRALX	14/2	1 - #14 blk	1 - #14 wht	1 - #14 bare	.45"	93
	14/3	2 - #14 blk, red	1 - #14 wht	1 - #14 bare	.47"	113
Dual-Listed	14/4	3 - #14 blk, red, blu	1 - #14 wht	1 - #14 bare	.49"	132
AC90/MC						
Armoured Cable	12/2	1 - #12 blk	1 - #12 wht	1 - #12 bare	.47"	122
	12/3	2 - #12 blk, red	1 - #12 wht	1 - #12 bare	.49"	150
Standard Product	12/4	3 - #12 blk, red, blu	1 - #12 wht	1 - #12 bare	.53"	179
Information						
	10/2	1 - #10 blk	1 - #10 wht	1 - #10 bare	.53"	172
Solid Copper	10/3	2 - #10 blk, red	1 - #10 wht	1 - #10 bare	.57"	214
Conductors	10/4	3 - #10 blk, red, blu	1 - #10 wht	1 - #10 bare	.65"	281
150m reels	14/2 IG	1 - #14 blk	1 - #14 wht	2 - #14 bare, green	.47"	113
	12/2 IG	1 - #12 blk	1 - #12 wht	2 - #12 bare, green	.49"	150
	10/2 IG	1 - #10 blk	1 - #10 wht	2 - #10 bare, green	.57"	214



# **ULTRALX® AC90 Armoured Cable**

Meeting the following requirements:







# **Applications**

For use in service, feeder and branch circuits in commercial, industrial, multi-residential buildings and places of assembly. For exposed and concealed wiring in dry locations (90°C).

Intended for installation in accordance with the Canadian Electrical Code Part 1.

## **Specification**

PVC/Nylon Insulated Copper Conductors 14 AWG to 6 AWG (Solid or Stranded) 600 volts Polyester Tape Aluminum Interlocking Armour

Smaller OD and Lightweight Construction (up to 15% lighter than traditional AC90 construction)

# **Special Considerations**

Multiple Grounding Conductors Oversized Neutral Conductors Multi-Conductors (Multi-circuit)

Special requests can be made online at support@electeconline.com or by phone (613) 836-0300

	Product	Circuit	Neutral	Ground	Nom. OD	Weight (lbs/1000')
ULTRALX	14/2	1 - #14 blk	1 - #14 wht	1 - #14 bare	.43"	82
	14/3	2 - #14 blk, red	1 - #14 wht	1 - #14 bare	.45"	101
AC90	14/4	3 - #14 blk, red, blu	1 - #14 wht	1 - #14 bare	.47"	120
Armoured Cable						
	12/2	1 - #12 blk	1 - #12 wht	1 - #14 bare	.45"	96
Standard Product	12/3	2 - #12 blk, red	1 - #12 wht	1 - #14 bare	.46"	124
Information	12/4	3 - #12 blk, red, blu	1 - #12 wht	1 - #14 bare	.49"	152
Solid Copper	10/2	1 - #10 blk	1 - #10 wht	1 - #12 bare	.49"	135
Conductors	10/3	2 - #10 blk, red	1 - #10 wht	1 - #12 bare	.52"	174
	10/4	3 - #10 blk, red, blu	1 - #10 wht	1 - #12 bare	.56"	215
150m reels						
	14/2 IG	1 - #14 blk	1 - #14 wht	2 - #14 bare, green	.45"	101
	12/2 IG	1 - #12 blk	1 - #12 wht	2 - #14 bare, #12 green	.46"	124
	10/2 IG	1 - #10 blk	1 - #10 wht	2 - #12 bare, #10 green	.52"	174