



C10B - 145 & 160 AMP MALE & FEMALE COUPLERS
C10C - 225 AMP MALE & FEMALE COUPLERS
C10D - 325 AMP MALE & FEMALE COUPLERS

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145, 160, 225 & 325 A COMPETITORS CROSS REFERENCE
Contact Structure: 3 Power + 1 Ground + 2 Pilot

The following table may be used to select Patton & Cooke couplers which are directly interchangeable with competitors' couplers.

COMPETITORS' INFORMATION			PATTON & COOKE'S SELECTION INFORMATION						
CATALOGUE NUMBER			Coupler Rating (A)	Max. Cable Size-AWG	Catalogue Number	Coupler Rating (A)	Max. Cable Size-AWG	Mounting Options	Male/Female
JOY	SMS	J H							
X8344-5G	8344-5M	JH8344-5M	125	#4	C10B1001	145	#1/0	Cable Mount	M
X8344-4G	8344-4F	JH8344-4F			C10B2001				F
X8344-2	8344-2M	JH8344-2M			C10B1005 C10B1010			Equipment Mount	M
X8344-1	8344-1F	JH8344-1F			C10B2005 C10B2010				F
X8345-5G	8345-5M	JH8345-5M	160	#2	C10B5001	160	#1/0	Cable Mount	M
X8345-6G	8345-6F	JH8345-6F			C10B6001				F
X8345-15	8345-15M	JH8345-15M			C10B5002 C10B5003			Equipment Mount	M
X8345-10	8345-10F	JH8345-10F			C10B6002 C10B6003				F
X8346-2G	8346-2M	JH8346-2M	225	#2/0	C10C1005	225	#4/0	Cable Mount	M
X8346-1G	8346-1F	JH8346-1F			C10C2005				F
X8346-13	8346-13M	JH8346-13M			C10C1019 C10C1009			Equipment Mount	M
X8346-8	8346-8F	JH8346-8F			C10C2019 C10C2009				F
X8347-2G	8347-2M	JH8347-2M	325	#4/0	C10D1001	325	#4/0	Cable Mount	M
X8347-1G	8347-1F	JH8347-1F			C10D2001				F
X8347-13C	8347-13M	JH8347-13M			C10D1002			Equipment Mount	M
X8347-8C	8347-8F	JH8347-8F			C10D2002				F

Note: See 600 Volt Section (Catalog Section 3) for Lever Lock Coupler details.

SELECTION REMINDERS:

1. Refer to page 2 for ordering procedure.
2. Add catalogue number of cable entrance/strain relief fitting for cable mounted couplers.
3. Patton & Cooke couplers are anodized and epoxy coated white.
4. Equipment mount couplers are available in two styles (145, 160 and 225 A only). See page 2 for details.
5. Maximum cable size refers to the physical size of the stem bore; it is not related to the cable ampacity.



145, 160, 225 & 325 A COUPLER CATALOGUE NUMBERS

Coupler Rating (A)	Max. Cable Size mm ² AWG	Male/ Female	Mounting Options	Mounting Plane	Catalogue Number
145	54 #1/0	M F	Cable Mount	N/A	C10B1001 C10B2001
		M	Equipment Mount	Straight Angled	C10B1005 C10B1010
		F		Straight Angled	C10B2005 C10B2010
160	54 #1/0	M F	Cable Mount	N/A	C10B5001 C10B6001
		M	Equipment Mount	Straight Angled	C10B5002 C10B5003
		F		Straight Angled	C10B6002 C10B6003
225	107 #4/0	M F	Cable Mount	N/A	C10C1005 C10C2005
		M	Equipment Mount	Straight Angled	C10C1019 C10C1009
		F		Straight Angled	C10C2019 C10C2009
325	107 #4/0	M F	Cable Mount	N/A	C10D1001 C10D2001
		M F	Equipment Mount	Straight	C10D1002 C10D2002

ORDERING PROCEDURE:

1. Determine the following:
 - a. Maximum current in Amps required for your application.
 - b. Maximum cable size.
 - c. Male (plug) or female (receptacle) contacts.
 - d. Cable or equipment mounting.
2. Select catalogue number of coupler.
3. If cable mounting, select cable entrance fitting from Table A on page 3.
 Example: 225 A, 4/0 cable, male plug, cable mount
 Coupler C10C1005
 Entrance Fitting C10C3019-M

OPTIONS & ACCESSORIES: Caps p.3, Universal Coupling/Decoupling Wrench p. 3, Optional Colors: blue, orange, yellow:contact factory.

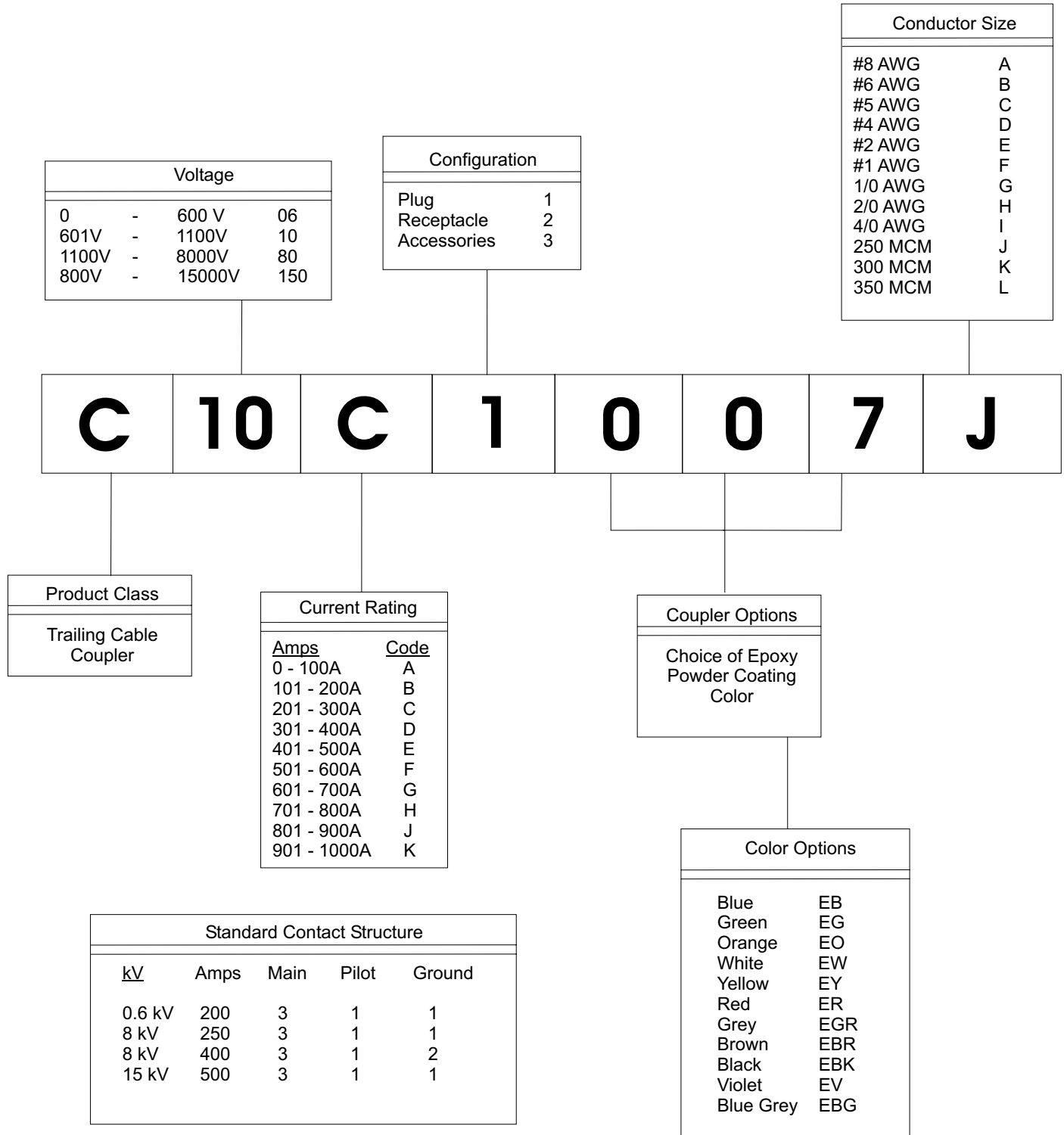
RENEWAL PARTS: See Section 9.



PATTON & COOKE CO.
TRAILING CABLE COUPLERS
 600/1100 Volt



**COUPLER CATALOG NUMBER
 COMBINATION GUIDE**





145,160, 225 & 325 A COUPLER KITS & ACCESSORIES

TABLE A: ENTRANCE FITTING KITS FOR CABLE MOUNTED COUPLERS

Coupler Rating: 145, 160 & 225 A

Outside Cable Diameter (mm)	Outside Cable Diameter (in)	Catalogue Number	Outside Cable Diameter (mm)	Outside Cable Diameter (in)	Catalogue Number
20.8 - 22.1	0.82 - 0.87	C10C3019-A	32.0 - 34.8	1.26 - 1.37	C10C3019-G
22.3 - 23.9	0.88 - 0.94	C10C3019-B	35.1 - 38.1	1.38 - 1.50	C10C3019-H
24.1 - 25.7	0.95 - 1.01	C10C3019-C	38.4 - 41.1	1.51 - 1.62	C10C3019-J
25.9 - 26.7	1.02 - 1.05	C10C3019-D	41.4 - 44.5	1.63 - 1.75	C10C3019-K
26.9 - 28.4	1.06 - 1.12	C10C3019-E	44.7 - 47.5	1.76 - 1.87	C10C3019-L
28.7 - 31.8	1.13 - 1.25	C10C3019-F	47.8 - 51.8	1.88 - 2.04	C10C3019-M

Each entrance fitting kit comprises 2 CL-112-* clamps and 1 GA-R032-* gasket.

Coupler Rating: 325 A

Outside Cable Diameter (mm)	Outside Cable Diameter (in)	Catalogue Number	Outside Cable Diameter (mm)	Outside Cable Diameter (in)	Catalogue Number
38.4 - 41.1	1.51 - 1.62	C10D3003-J	50.9 - 54.0	2.01 - 2.13	C10D3003-N
41.4 - 44.5	1.63 - 1.75	C10D3003-K	54.4 - 57.2	2.14 - 2.25	C10D3003-P
44.7 - 47.5	1.76 - 1.87	C10D3003-L	57.4 - 60.5	2.26 - 2.38	C10D3003-Q
47.8 - 50.8	1.88 - 2.00	C10D3003-M	-----	-----	-----

Each entrance fitting kit comprises 2 CL-113-* clamps and 1 GA-R216-* gasket.

145, 160, 225 & 325 A COUPLER CAPS

Coupler Rating (A)	Male/ Female	Description	Catalogue Number
145	M	ALUMINUM ALUMINUM c/w cable attachment	CA-015 C10B3005
		RUBBER RUBBER c/w cable attachment	CA-016 C10B3006
	F	ALUMINUM ALUMINUM c/w cable attachment	CA-017 C10B3003
		RUBBER RUBBER c/w cable attachment	CA-018 C10B3004
160	M	RUBBER RUBBER c/w cable attachment	CA-019 C10B7002
	F	RUBBER RUBBER c/w cable attachment	CA-020 C10B7001
225	M	ALUMINUM ALUMINUM c/w cable attachment	CA-011 C10C3005
		RUBBER RUBBER c/w cable attachment	CA-013 C10C3006
	F	ALUMINUM ALUMINUM c/w cable attachment	CA-012 C10C3003
		RUBBER RUBBER c/w cable attachment	CA-014 C10C3004
325	M	RUBBER RUBBER c/w cable attachment	CA-021 C10D3001
	F	RUBBER RUBBER c/w cable attachment	CA-022 C10D3002

COUPLER TOOLS

Coupler Rating (A)	Description	Catalogue Number
All	UNIVERSAL COUPLING / DECOUPLING WRENCH	C10C3002



145 A COUPLER WEIGHTS AND DIMENSIONS

Illustration (not to scale)	Catalog Number	Dimensions						Weight
		A	B	C	D	E	F	
<p>CABLE MOUNTED MALE</p>	C10B1001	16" 406 mm	4 1/4" 108 mm					8.00 lb 4.10 kg
<p>EQUIPMENT MOUNTED MALE</p>	C10B1005	6" 152 mm	2 3/4" 70 mm	4 3/8" 111 mm	4 1/2" 114 mm	2 7/8" 73 mm	2 7/8" 73 mm	6.50 lb 2.95 kg
	C10B1010							
<p>CABLE MOUNTED FEMALE</p>	C10B2001	13" 330 mm	4 1/4" 108 mm					8.00 lb 3.64 kg
<p>EQUIPMENT MOUNTED FEMALE</p>	C10B2005	4 3/8" 111 mm	2 3/4" 70 mm	4 3/8" 111 mm	4 1/2" 114 mm	2 7/8" 73 mm	2 7/8" 73 mm	4.50 lb 2.05 kg
	C10B2010	4 3/8" 111 mm	3 5/8" 92 mm	4 7/8" 124 mm	4 1/4" 108 mm	3 5/16" 84 mm	2 7/8" 73 mm	4.10 lb 1.86 kg

145 A CAP WEIGHTS AND DIMENSIONS

Illustration (not to scale)	Catalog Number	Cap Material	Dimensions				Weight	
			A		B			
<p>MALE CAP</p>	CA-015	Aluminum	1 1/2"	38 mm	4 1/4"	108 mm	2.00 lb	0.91 kg
	CA-016	Rubber	1 1/2"	38 mm	4 1/4"	108 mm	1.50 lb	0.68 kg
<p>FEMALE CAP</p>	CA-017	Aluminum	4 1/8"	105 mm	4 1/4"	108 mm	2.50 lb	1.14 kg
	CA-018	Rubber	4 1/8"	105 mm	4 1/4"	108 mm	2.00 lb	0.91 kg



160 A COUPLER WEIGHTS AND DIMENSIONS

Illustration (not to scale)	Catalog Number	Dimensions						Weight
		A	B	C	D	E	F	
<p>CABLE MOUNTED MALE</p>	C10B5001	15 1/2" 394 mm	4 9/16" 116 mm					11.00 lb 5.00 kg
<p>EQUIPMENT MOUNTED MALE</p>	C10B5002	6" 152 mm	2 1/2" 64 mm	4 1/4" 108 mm	4 3/8" 111 mm	3 1/4" 83 mm	3 1/4" 83 mm	7.00 lb 3.18 kg
	C10B5003	5 3/4" 146 mm	2 1/4" 57 mm	5 1/8" 130 mm	4 1/4" 108 mm	3 1/4" 83 mm	4" 102 mm	7.50 lb 3.41 kg
<p>CABLE MOUNTED FEMALE</p>	C10B6001	12 1/2" 318 mm	4 9/16" 116 mm					9.25 lb 4.20 kg
<p>EQUIPMENT MOUNTED FEMALE</p>	C10B6002	4 3/8" 111 mm	2 3/4" 70 mm	4 1/4" 108 mm	4 1/4" 108 mm	3 1/4" 83 mm	3 1/4" 83 mm	5.50 lb 2.50 kg
	C10B6003	3 3/4" 95 mm	3 3/4" 95 mm	5 1/8" 130 mm	4 1/4" 108 mm	3 1/4" 83 mm	4" 102 mm	6.00 lb 2.73 kg

160 A CAP WEIGHTS AND DIMENSIONS

Illustration (not to scale)	Catalog Number	Cap Material	Dimensions				Weight	
			A		B			
<p>MALE CAP</p>	CA-019	Rubber	1 3/8"	35 mm	4 9/16"	116 mm	1.50 lb	0.68 kg
<p>FEMALE CAP</p>	CA-020	Rubber	4 "	102 mm	4 9/16"	116 mm	2.10 lb	0.95 kg



225 A COUPLER WEIGHTS AND DIMENSIONS

Illustration (not to scale)	Catalog Number	Dimensions						Weight
		A	B	C	D	E	F	
<p>CABLE MOUNTED MALE</p>	C10C1005	16 3/4" 425 mm	5" 127 mm					16.50 lb 7.50 kg
<p>EQUIPMENT MOUNTED MALE</p>	C10C1019	6 3/4" 171 mm	2 1/4" 57 mm	4 1/2" 114 mm	4 1/2" 114 mm	3 1/2" 89 mm	3 1/2" 89 mm	12.00 lb 5.45 kg
	C10C1009	6 1/2" 165 mm	3 3/4" 95 mm	5 7/16" 138 mm	4 3/4" 121 mm	3 3/4" 95 mm	4 1/2" 114 mm	12.00 lb 5.45 kg
<p>CABLE MOUNTED FEMALE</p>	C10C2005	13 1/2" 343 mm	5" 127 mm					14.00 lb 6.36 kg
<p>EQUIPMENT MOUNTED FEMALE</p>	C10C2019	4 1/2" 114 mm	2 7/8" 73 mm	4 1/2" 114 mm	4 1/2" 114 mm	3 1/2" 89 mm	3 1/2" 89 mm	8.50 lb 3.85 kg
	C10C2009	4 1/4" 108 mm	4 1/4" 108 mm	5 7/16" 138 mm	4 3/4" 121 mm	3 3/4" 95 mm	4 1/2" 114 mm	9.50 lb 4.32 kg

225 A CAP WEIGHTS AND DIMENSIONS

Illustration (not to scale)	Catalog Number	Cap Material	Dimensions				Weight	
			A		B			
<p>MALE CAP</p>	CA-011	Aluminum	2"	51 mm	5"	127 mm	2.00 lb	0.91 kg
	CA-013	Rubber	2"	51 mm	5"	127 mm	2.00 lb	0.91 kg
<p>FEMALE CAP</p>	CA-012	Aluminum	3 3/8"	111 mm	5"	127 mm	2.00 lb	0.91 kg
	CA-014	Rubber	3 3/8"	111 mm	5"	127 mm	3.00 lb	1.36 kg



325 A COUPLER WEIGHTS AND DIMENSIONS

Illustration (not to scale)	Catalog Number	Dimensions						Weight
		A	B	C	D	E	F	
<p>CABLE MOUNTED MALE</p>	C10D1001	22 1/2" 572 mm	6 1/2" 165 mm					25.50 lb 11.56 kg
<p>EQUIPMENT MOUNTED MALE</p>	C10D1002	8" 203 mm	2 3/4" 70 mm	6 1/4" 159 mm	6 1/4" 159 mm	5 1/4" 133 mm	5 1/4" 133 mm	16.00 lb 7.26 kg
<p>CABLE MOUNTED FEMALE</p>	C10D2001	18" 457 mm	6 1/2" 165 mm					23.50 lb 10.66 kg
<p>EQUIPMENT MOUNTED FEMALE</p>	C10D2002	6" 152 mm	2 3/4" 70 mm	6 1/4" 159 mm	6 1/4" 159 mm	5 1/4" 133 mm	5 1/4" 133 mm	15.00 lb 6.81 kg

325 A CAP WEIGHTS AND DIMENSIONS

Illustration (not to scale)	Catalog Number	Cap Material	Dimensions				Weight	
			A		B			
<p>MALE CAP</p>	CA-021	Rubber	3"	76 mm	6 1/4"	159 mm	4.00 lb	1.82 kg
<p>FEMALE CAP</p>	CA-022	Rubber	6"	152 mm	7 1/2"	191 mm	5.50 lb	2.50 kg



145, 160, 225, 325 A COUPLER SPECIFICATIONS

CABLE AND CONDUCTOR RANGE

Coupler Rating (A)	Description	Minimum	Maximum
145	CABLE OUTSIDE DIAMETER	21 mm 0.82"	52 mm 2.04"
	CONDUCTOR GAUGE - PHASE AND GROUND - PILOT*	#8 #14	#1/0 #8
160	CABLE OUTSIDE DIAMETER	21 mm 0.82"	52 mm 2.04"
	CONDUCTOR GAUGE - PHASE AND GROUND - PILOT*	#8 #14	#1/0 #8
225	CABLE OUTSIDE DIAMETER	21 mm 0.82"	52 mm 2.04"
	CONDUCTOR GAUGE - PHASE AND GROUND - PILOT*	#8 #14	#4/0 #8
325	CABLE OUTSIDE DIAMETER	24 mm 0.93"	60 mm 2.38"
	CONDUCTOR GAUGE - PHASE AND GROUND - PILOT*	#8 #14	#4/0 #8

* Two pilot stems will accommodate split strands of pilot conductor where necessary.

CABLE AND CONDUCTOR RANGE

Couplers are produced from an aluminum alloy that offers a high strength, light weight casting and great resistance to abrasion and corrosion.

Current carrying parts are made from high conductivity silver plated copper or brass alloy.

Phase insulators are made from a color blended rubber compound which offers a high dielectric strength and stability in caustic environments.