



# GREAVES

## COMPRESSION

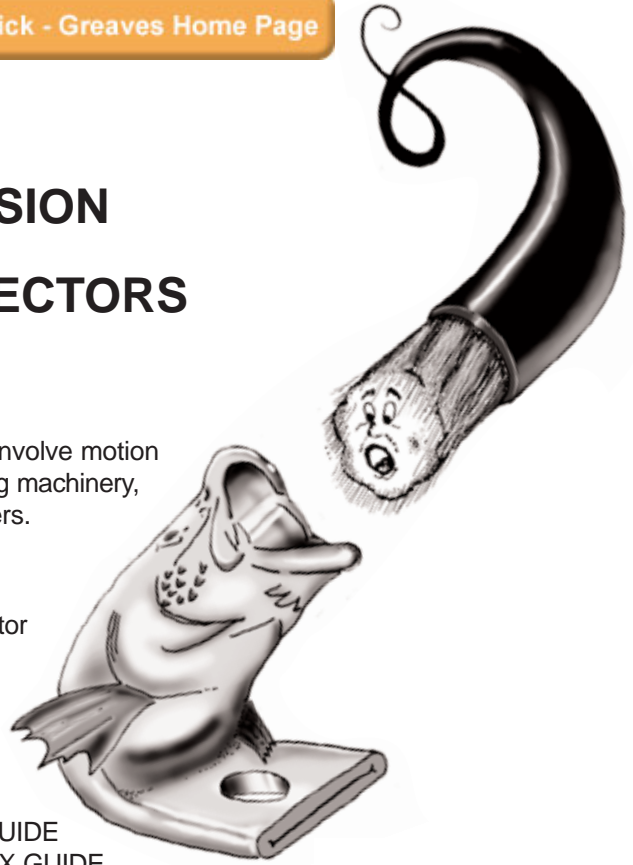
### Shoo-in™ FLEX-CABLE CONNECTORS REFERENCE INFORMATION SIZING GUIDE

High-strand flexible cables are often utilized in environments that involve motion or vibration. Applications include locomotive, mining, marine, welding machinery, wind power turbines, temporary power generators, and transformers.

High-strand flexible cables are available in a variety of classes and styles, such as welding cable, rope cable, diesel-locomotive cable (DLO) and others. Each style has a different nominal cable/conductor diameter which can vary from manufacturer to manufacturer, from lot to lot, and even within a manufacturing lot.

This chart can assist in selection of connectors for use on high-strand, flexible cables. Locate your cable across the top, move down to your cable size, and move to the lefthand column for your "FX GUIDE". Then for a lug or splice series, use your FX GUIDE to select your specific lug or splice. An alternative is to select your FX GUIDE according to the conductor O.D. information on the chart; when measuring your cable diameter, include only the bundle of conductors (not the jacket). This will help select an FX lug or splice with appropriate barrel size and flare.

For example, 535kcmil DLO cable (1325/24 stranding) indicates an FX GUIDE of "535FX"; for a long-barrel 2-hole NEMA lug, select Cat. No. L535NFX.



SIZING GUIDE for FX COMPRESSION LUGS for DLO and FLEX CABLE CABLE DIMENSIONS - REFERENCE INFORMATION									
FX CAT. NO. GUIDE	CLASS I-MODIFIED (DIESEL-LOCOMOTIVE CABLE)			CLASS H (ROPE)		CLASS M (WELD)		REFERENCE CLASS B (COMM'L)	
	APPROX (AWG)KCMIL	STRANDS (#/AWG)	COND. O.D.	AWG	O.D.	AWG	O.D.	AWG	O.D.
50FX	(3)50.5	125/24	.288	#4	.266	#4	.269	#2	.292
60FX	(2)60.6	150/24	.313	#2	.336	#2	.337	#1	.332
90FX	(1)90.9	225/24	.380	#1	.378	#1	.376	1/0	.373
111FX	(1/0)111.1	275/24	.409	1/0	.424	1/0	.423	2/0	.418
131FX	(2/0)131.3	325/24	.449	2/0	.477	--	--	3/0	.470
181FX	(3/0)181.8	450/24	.540	3/0	.536	2/0	.508	4/0	.528
222FX	(4/0)222.2	550/24	.573	4/0	.602	3/0	.576	250	.575
262FX	262.6	650/24	.620	250	.653	4/0	.645	300	.630
313FX	313.1	775/24	.688	300	.716	250	.713	350	.681
373FX	373.7	925/24	.774	350	.773	300	.768	500	.814
444FX	444.4	1100/24	.840	400	.909	350	.825	600	.893
535FX	535.3	1325/24	.908	500	.923	400	.901	700	.964
646FX	646.4	1600/24	1.034	700	1.106	600	1.084	800	1.031
777FX	777.7	1925/24	1.123	800	1.180	700	1.183	1000	1.152
929FX	929.2	2299/24	1.230	1000	1.320	900	1.331	1250	1.289
1111FX	1111.1	2745/24	1.360	1250	1.477	1000	1.404	1500	1.412

**GREAVES EXCLUSIVE**

# COMPRESSION Shoo-pin™

For copper cable  
600V\*  
105°C

**FLEX CABLE ADAPTERS**

Copper compression adapters

For reliable termination of highly stranded flexible copper cable

Used in locomotive, mining, marine, wind power, and machinery applications

Fits into mechanical set-screw type connectors in panels, transformers machinery

Recommended for use on flex/extra-flex high-strand wire with

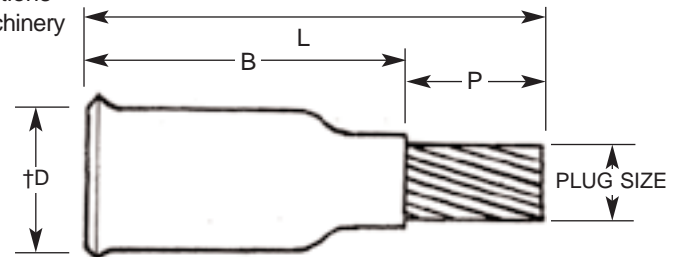
PBS, USA, USAD Series insulated connector

Amperage rating is per the ampacity of the cable

Features flared Shoo-in™ barrel-opening for easy cable insertion

Fabricated of wrought copper with plug of Class B copper conductor

Insulating covers are provided

**PT-FX SERIES**

NAED NUMBER	CATALOG NUMBER	FLEX CABLE OR CODE AWG CONDUCTOR		DIMENSIONS (IN)						U - TYPE DIE COLOR INDEX		EST. SHIPPING	
		FLEX CABLE	CODE AWG	PLUG SIZE	B	P	L	$\uparrow D$	CABLE STRIP LENGTH			WEIGHT (lbs)	UNIT
55424	PT 42FX4	#4 (91/24-105/24)	#4	#4	1.7	.75	2.45	.42	7/8	GRAY	8/346	0.05	EA
55602	PT 60FX2	#2 (125/24-150/24)	#2	#2	1.7	.75	2.45	.47	1	BROWN	10	0.08	EA
55901	PT 90FX1	#1 (175/24-225/24)	#1	#1	1.7	.75	2.45	.52	1	GREEN	11/375	0.10	EA
55111	PT 111FX10	1/0 (275/24)	1/0	1/0	2.0	.87	2.87	.56	1 1/8	PINK	12/348	0.10	EA
55131	PT 131FX20	2/0 (325/24)	2/0	2/0	2.1	.87	2.97	.62	1 1/4	BLACK	13	0.13	EA
55181	PT 181FX30	3/0 (450/24)	3/0	3/0	2.2	.90	3.10	.69	1 1/4	ORANGE	14	0.16	EA
55222	PT 222FX40	4/0 (550/24)	4/0	4/0	2.3	1.0	3.30	.75	1 1/4	PURPLE	15	0.22	EA



NAED NUMBER	CATALOG NUMBER	FLEX CABLE ONLY	DIMENSIONS (IN)						U - TYPE DIE COLOR INDEX		EST. SHIPPING		
			PLUG SIZE	B	P	L	$\uparrow D$	CABLE STRIP LENGTH			WEIGHT (lbs)	UNIT	
55250	PT 250FX250	250 kcmil FLEX CLASS G 259 CLASS H 427	250 kcmil	2.3	1.10	3.40	.75	1 3/8	1 3/8	YELLOW	16	0.26	EA
55262	PT 262FX250	262.6 kcmil FLEX 250 FLEX CLASS I, K, M	250 kcmil	2.4	1.10	3.50	.81	1 3/8	1 3/8	WHITE	17/298	0.26	EA
55313	PT 313FX350	313.1 kcmil (775/24) (300 kcmil NOM)	350 kcmil	2.4	1.25	3.65	.88	1 3/8	1 3/8	RED	18/324	0.38	EA
55373	PT 373FX350	373.7 kcmil (925/24) (350 kcmil NOM)	350 kcmil	2.7	1.25	3.95	1.06	1 3/8	1 3/8	BLUE	19/470	0.41	EA
55444	PT 444FX500	444.4 kcmil (1100/24) (450 kcmil NOM)	500 kcmil	2.8	1.50	4.30	1.19	1 1/2	1 1/2	BROWN	20/299	0.65	EA
55535	PT 535FX500	535.3 kcmil (1325/24) (500 kcmil NOM)	500 kcmil	2.9	1.50	4.40	1.24	1 1/2	1 1/2	GREEN	22/472	0.66	EA
55646	PT 646FX600	646 kcmil (1600/24) (600 kcmil NOM)	600 kcmil	3.2	1.50	4.70	1.32	1 5/8	1 5/8	BLACK	24/473	0.83	EA
55777	PT 777FX750	777.7 kcmil (1925/24) (750 kcmil NOM)	750 kcmil	3.3	1.70	5.00	1.50	1 3/4	1 3/4	YELLOW	936	1.21	EA



PATENT PENDING

\* May be used for applications up to 35 KV when proper installation and insulation procedures are employed.

 $\uparrow D$  is without cover, with cover add .12 inches

Custom plug lengths and diameters available. Consult factory.

For DLO sizes 929.2, 1111.1 and larger, consult factory for price and delivery.

For solid pin, consult factory.

For tin plating add suffix "P" to CATALOG NUMBER.

www.greaves-usa.com

30 Industrial Park Road, Centerbrook, CT 06409

Phone 860-664-4505 • Fax 860-664-4546

TOLL FREE 1-800-243-1130 (Outside CT)