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 spice 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.
25FX	(6)26	61/24	.207	#7	.188	#7	.196	#6	.184
42FX	(4)42	91/24-105/24	.263	#5	.237	#5	.240	#4	.232
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
250FX	250	637/24	.682	250	.653	250	.713	350	.681
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

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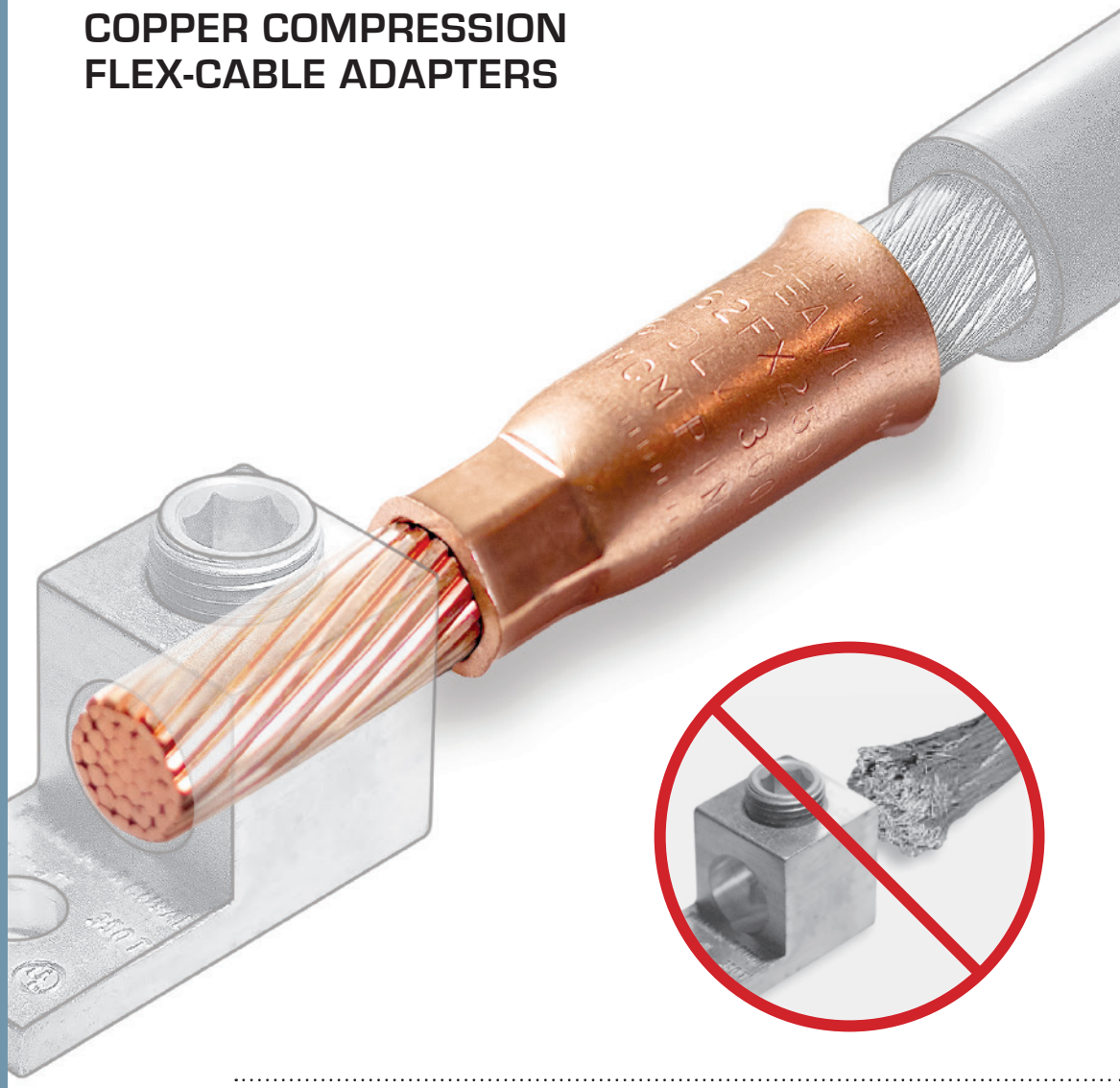
PT-FX Shoo-pin™

COPPER COMPRESSION FLEX-CABLE ADAPTERS

- Flared barrel easily gathers flex strands
- Ideal for termination in set-screw lugs
- Insulating covers included

PT-FX Series adapters are designed to terminate high-strand flex-cable (locomotive, mining, welding) to machinery, panels, and transformers. The pins fit mechanical set-screw type connectors and are sized for the current carrying capacity of the cable. These adapters feature the Greaves flared Shoo-in™ barrel-opening design for easy cable insertion. Insulating covers are included.



For use wherever flex-cable terminates in a set-screw lug:

- Telecommunications
- Construction Sites
- Drilling Platforms
- Theme Parks
- Locomotive
- Welding
- Marine
- Mining

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MADE IN USA

GREAVES

PT-FX Shoo-pin™

COPPER COMPRESSION FLEX-CABLE ADAPTERS

FOR COPPER FLEX-CABLE
600V
105°C

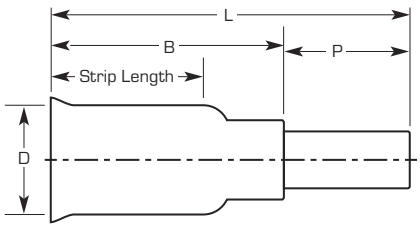
- All-copper compression adapters
- Designed for reliable termination of highly stranded flexible copper cable into mechanical lugs
- Uses include locomotive, mining, marine, and machinery applications
- Features flared Shoo-in™ barrel-opening for easy insertion of fine strands
- Fits into mechanical set-screw type connectors
- Amperage rating is per the incoming conductor
- Fabricated of wrought copper with pin of Class B stranded copper conductor
- Insulating covers are included

Assembled View

PT-FX SERIES

CATALOG NUMBER	FLEX CABLE OR CODE AWG CONDUCTOR	PIN SIZE	NOMINAL DIMENSIONS (IN)				CABLE STRIP LENGTH	U-TYPE DIE*		
	DLO CABLE (CODE AWG)		B	P	L	D**		COLOR	INDEX	# CRIMPS
PT25FX6†	61/24 (#6)	#6 AWG	1.50	1.06	2.50	0.29	7/8	BLUE	7	1
PT42FX4	91/24-105/24 (#4)	#4 AWG	1.56	1.07	2.63	0.40	1	GRAY	8/346	1
PT60FX2	125/24-150/24 (#2)	#2 AWG	1.65	1.10	2.75	0.47	1	BROWN	10	1
PT90FX1	175/24-225/24 (#1)	#1 AWG	1.70	1.14	2.75	0.50	1	GREEN	11/375	1
PT111FX10	275/24 (1/0)	1/0 AWG	1.81	1.23	3.00	0.55	1 1/8	PINK	12/348	1
PT131FX20	325/24 (2/0)	2/0 AWG	2.06	1.19	3.25	0.61	1 1/4	BLACK	13	1
PT181FX30	450/24 (3/0)	3/0 AWG	2.19	1.30	3.50	0.67	1 1/4	ORANGE	14	1
PT222FX40	550/24 (4/0)	4/0 AWG	2.19	1.31	3.50	0.74	1 1/4	PURPLE	15	1

CATALOG NUMBER	FLEX CABLE ONLY	PIN SIZE	B	P	L	D**	CABLE STRIP LENGTH	COLOR	INDEX	# CRIMPS
PT250FX250	250 kcmil FLEX CLASS G 259 CLASS H 427	250 kcmil	2.25	1.40	3.25	0.78	1 3/8	YELLOW	16	1
PT262FX250	262.6 kcmil FLEX 250 FLEX CLASS I, K, M	250 kcmil	2.20	1.40	3.80	0.81	1 3/8	WHITE	17/298	2
PT313FX350	313.1 kcmil (775/24) (300 kcmil NOM)	350 kcmil	2.40	1.51	4.00	0.87	1 3/8	RED	18/324	2
PT373FX350	373.7 kcmil (925/24) (350 kcmil NOM)	350 kcmil	2.75	1.51	4.40	0.99	1 3/8	BLUE	19/470	2
PT444FX500	444.4 kcmil (1100/24) (450 kcmil NOM)	500 kcmil	3.00	1.75	4.70	1.14	1 5/8	BROWN	20/299	2
PT535FX500	535.3 kcmil (1325/24) (500 kcmil NOM)	500 kcmil	3.00	1.75	4.85	1.19	1 2/3	GREEN	22/472	2
PT646FX600	646 kcmil (1600/24) (600 kcmil NOM)	600 kcmil	3.45	1.90	5.50	1.32	2	BLACK	24/473	2
PT777FX750	777.7 kcmil (1925/24) (750kcmil NOM)	750 kcmil	3.30	2.01	5.50	1.43	2	YELLOW	936	2



Consult factory for price and delivery of the following:
- DLO sizes 929.2, 1111.1 and larger.
- Custom pin lengths, diameters, and solid pins
- Tin plating (when ordering, add the suffix "P" to catalog number)

* UL Installation tool: Greenlee HKL 1232
** Add 1/8" for insulating cover
† Size not CSA-certified

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