



# CABLOFIL WIRE MESH TRAY

Cablofil, the inventor of wire mesh cable tray is a revolutionary cable management system that provides exceptional strength combined with the flexibility to adapt easily to field requirements. Installation is easier since wire mesh requires fewer parts and the FAS system allows splice, bracket and accessory connections without hardware! Manufactured in the heartland of the US, Cablofil is dedicated to providing superior quality product, service and expertise.

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#### **FINISHES**

Cablofil wire cable tray and accessories are available in a variety of finishes to meet any industry need, from decorative to extreme environments. Use this chart to help you determine the best finish for your application and its availablilty.

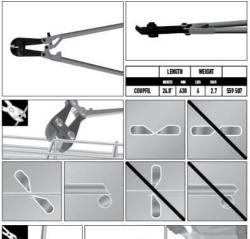
Standard finish is EZ, electroplated zinc. (indoor applications)
Stock finishes available include (EZ), electroplated zinc,
(316L), 316 stainless steel, (GC), Hot dipped galvanized,
(BL) Black powder coat paint

SYMBOL	MATERIAL	FINISH & STANDARD	Interior	Exterior	Petroleum pr	Marine/salt, Weak sulph;	Acidic, alkaline	Food Production.	Halogen environ	- Mimente
PG	Carbon Steel ASTM A653	Pre- Galvanized: Continuous Galvanization Before Fabrication ASTM A 653	•							
EZ	Carbon Steel ASTM A510 Grade 1008	Electrozinc: Electrozinc plating ASTM B 633	•							
GC	Carbon Steel ASTM A510 Grade 1008	Hot Dipped Galvanized: After Fabrication ASTM A 123		•						
DC	Carbon Steel ASTM A510 Grade 1008	Dacromet: Zinc and Aluminum Protection Equivalent to Hot Dip Galvanization ASTM F 1136		•	0	۰	•			
304L	Stainless Steel AISI Type 304L	Stainless Steel 304L: Cleaned and Passivated ASTM A 380		•	•	•	0	•	0	
316L	Stainless Steel AISI Type 316L	Stainless Steel 316L: Cleaned and Passivated ASTM A 380		•	•	•	•	•	•	
BL	Carbon Steel ASTM A510 Grade 1008	Black Painted: Black Powder Coated ASTM D 3451	•							
PE	Carbon Steel ASTM A510 Grade 1008	Custom Painted: Custom Color Powder Coated ASTM D 3451	•							

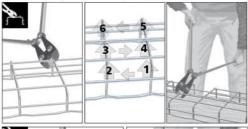
recommended possible

For a more detailed explanation of finish standards and compatibility, visit www.cablofil.com.

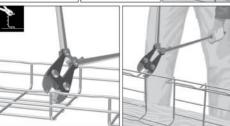
# **HOW TO CUT CABLOFIL CABLE TRAY**



- Always use side action bolt cutters.
- Angle all cuts away from the new end.
- Cut each wire with one clean cut – eliminating any grinding or touch-up.



- Cut the bottom wires first, in order as shown, from the underside of the tray.
- Rest the lower jaw of the cutters against the cradle wire and cut at an angle away from the new end.



- Cut the side wires next, starting with the top wire.
- Make sure the finished cut is safe and ready for installation.

#### USING A POWER CUTTER TO CUT CABLOFIL CABLE TRAY





	WEIGHT		
	LES	XXX	
CUTYFIL	9.5	4.3	559 557
REPLACEMENT BLADES	A	2	559 577
BATTERY	1	5	559 567
CHARGER	2	9	559 558





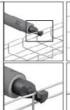


Cutyfil from Cablofil makes cutting wire cable tray easy. This lightweight power tool features a 330° swivel cutting head to make cuts from any angle. One button control engages and retracts blade for each cut. Cutyfil Kit comes in a padded carrying case with 2 batteries and a charger.











Use the same cutting procedures as outlined on the previous page when using Cutyfil. Remember to always wear safety goggles and follow safe procedures when using power equipment.

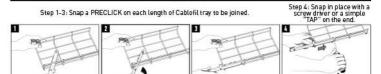
#### HOW TO SPLICE CABLOFIL CABLE TRAY - EDRN

SPLICING GUIDELINES							
CF30 - CF54 - CF105 - CF150	2" (50 Hel)		-(450 → 600 H				
→• EDRN splices needed on side wires	2x EDRN	2x EDRN	2x EDRN				
EDRN splices needed on bottom of tray	42	=	1x OR 2x EDRN				

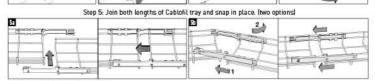


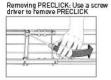
#### **HOW TO SPLICE CABLOFIL CABLE TRAY - PRECLICK**

SPLICING GUIDELINES							
CF54 - CF105 - CF150		- <u> </u> ј. 12" (300 мн)	18" → 24" (450 → 600 MM				
→•[j.← PRECLICK splices needed on side wires	2x PRECLICK	2x PRECLICK	2x PRECLICK				
SWK splices needed on bottom of tray	-	1x swk	2x swx				

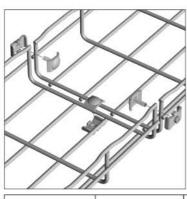


INSTRUCTIONS





#### **HOW TO SPLICE CABLOFIL CABLE TRAY - SWK**

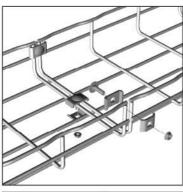


- Use SWK to splice any two sections of Cablofil tray.
- Swaged nut allows clamp to be stationary while nut is tightened.
- Consult chart below for correct number of SWK sets needed for each width of tray.



CF30 - CF54 - CF105 - CF150	2" (50 HH)	4" → 8" (100 → 200 MH)	12" → 24" (300 → 600 MM)	
→• ij• ← SWK attachment sets needed for side wires	2x swk	2x SWK	2x swk	
SWK attachment sets needed for bottom wires	8 <b>2</b> 5	1x swk	2x swx	

# **HOW TO SPLICE CABLOFIL CABLE TRAY - CE 25, CE 30**



- Use CE 25 and CE 30 with EZ BN 1/4 to splice any two sections of Cablofil tray.
- Consult chart below for correct number of Nut/ Bolt/Clamp sets needed for each width of tray.



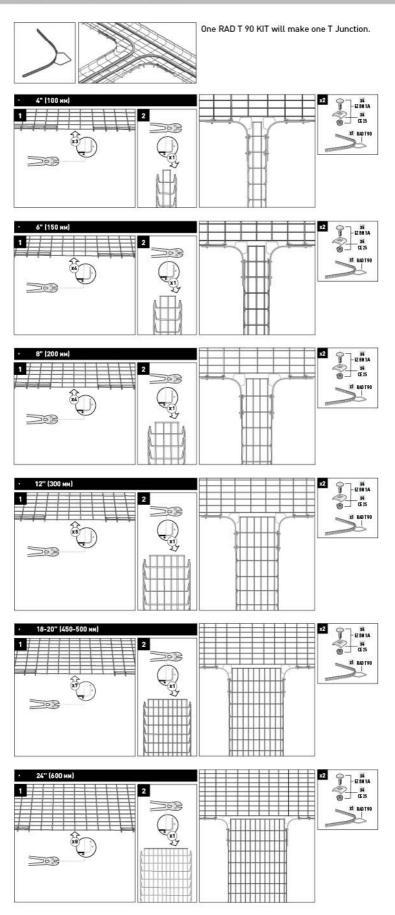
CF30 - CF54 - CF105 - CF150	-{} 2" (50 ⊷)	-{}- 4" → 8" (100 → 200 He)	-{}- 12" → 24" (300 → 600 HeV)
→•ij•← CE 25-CE30 attachment sets needed for side wires	2x CE 25, CE 30, EZ BN 1/4	2x CE 25, CE 30, EZ BN 1/4	2x CE 25, CE 30, EZ BN 1/4
CE 25-CE30 attachment sets needed for bottom wires	77.	1x CE 25, CE 30, EZ BN 1/4	2x CE 25, CE 30, EZ BN 1/4

# **DIRECTIONAL CHANGE HARDWARE**

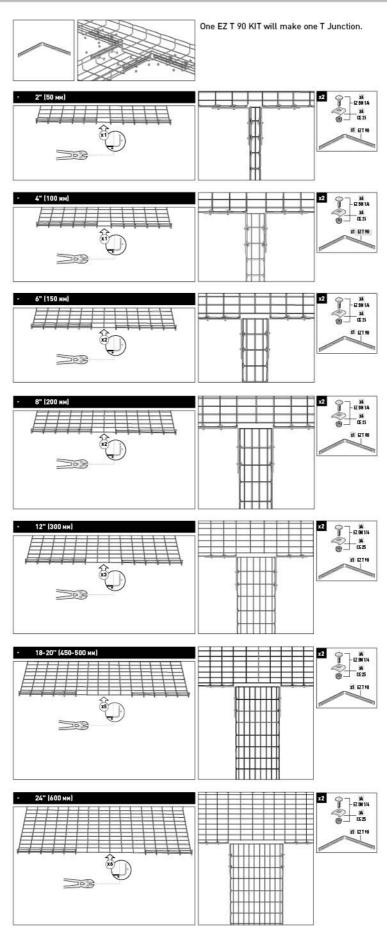
	90 DEGREE BENDS									
	FASLOCK	(SWEEP)	SWK (SWEEP)		RADT90		EZT90			
								Щ		
TRAY WIDTH	QTY. REQUIRED	CUT INSTRUT.	QTY. Required	CUT INSTRUT.	OTY. Required	CUT INSTRUT.	QTY. Required	CUT Instrut.		
2	- 5		2	p. 15	-	-	1 kit	p. 11		
4"	2	р. 14	2	p. 15	1 kit	p. 10	1 kit	р. 11		
6"	3	p. 14	4	p. 15	1 kit	p. 10	1 kit	p. 11		
8	4	p. 14	4	p. 15	1 kit	p. 10	1 kit	p. 11		
12"	6	р. 14	6	p. 15	1 kit	p. 10	1 kit	p. 11		
18"	9	p. 14	8	p. 15	1 kit	р. 10	1 kit	p. 11		
20"	10	p. 14	9	p. 15	1 kit	p. 10	1 kit	p. 11		
24"	12	p. 14	11	p. 15	1 kit	p. 10	1 kit	р. 11		

HORIZONTAL TEE								
	RAD	T90	EZI	EZT90		Y JUNCTION		
		H						
						17		
	#		#	#		Щ		
		Н		Н		1		
TRAY WIDTH	QTY. REQUIRED	CUT Instrut.	QTY. Required	CUT INSTRUT.	HARDWARE REQUIRED	CUT INSTRUT		
2	-		1 kit	p. 9	-	1-		
4"	1 kit	р. 8	1 kit	p. 9	p. 12	p. 12		
6"	1 kit	р. 8	1 kit	р. 9	p. 12	p. 12		
8"	1 kit	р. 8	1 kit	p. 9	p. 12	p. 12		
12"	1 kit	p. 8	1 kit	p. 9	p. 12	p. 12		
18"	1 kit	р. 8	1 kit	p. 9	p. 12	p. 12		
20"	1 kit	р. 8	1 kit	p. 9	p. 12	p. 12		
24"	1 kit	р. 8	1 kit	p. 9	p. 12	p. 12		

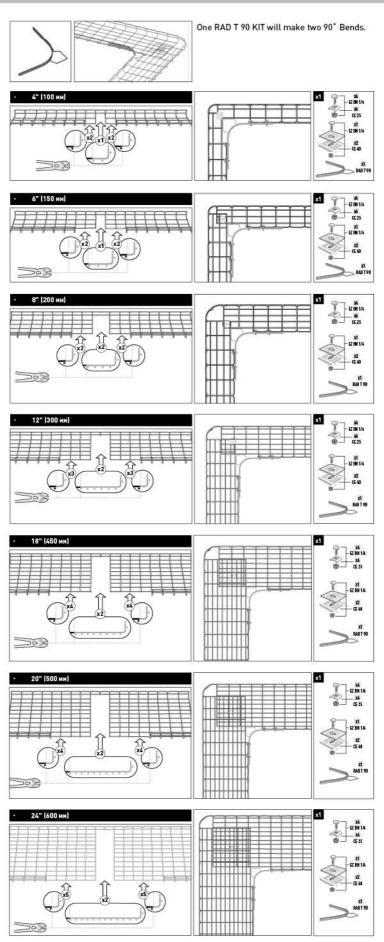
# **T JUNCTIONS: RAD T 90 KIT**



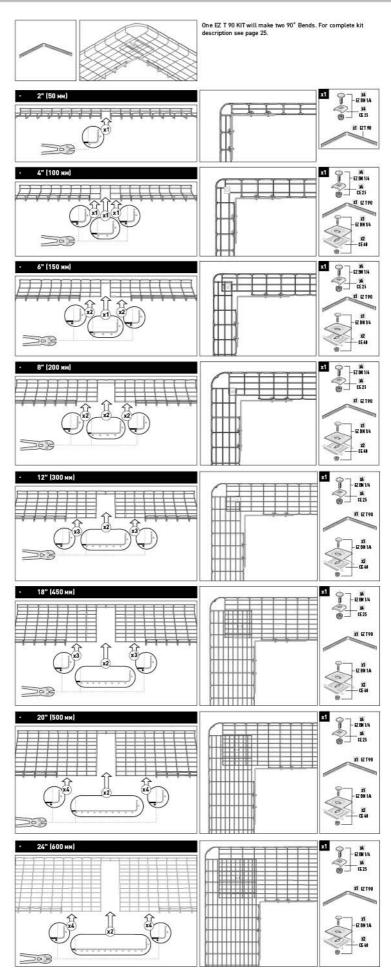
# **T JUNCTIONS: EZ T 90 KIT**



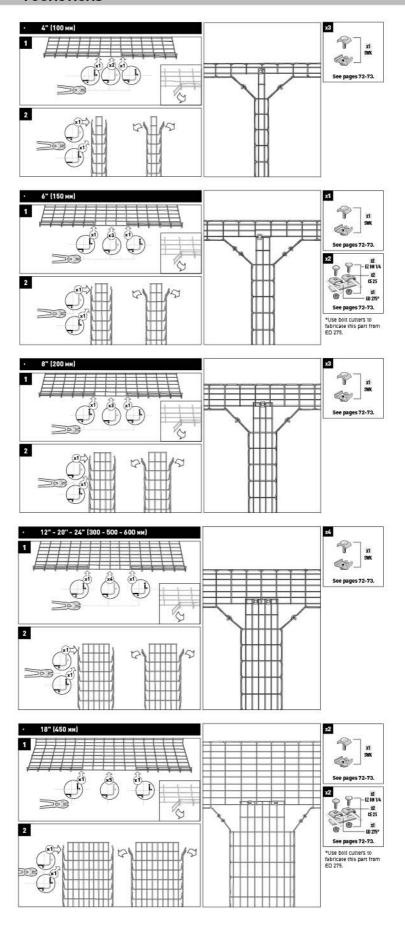
# 90° BENDS: RAD T 90 KIT



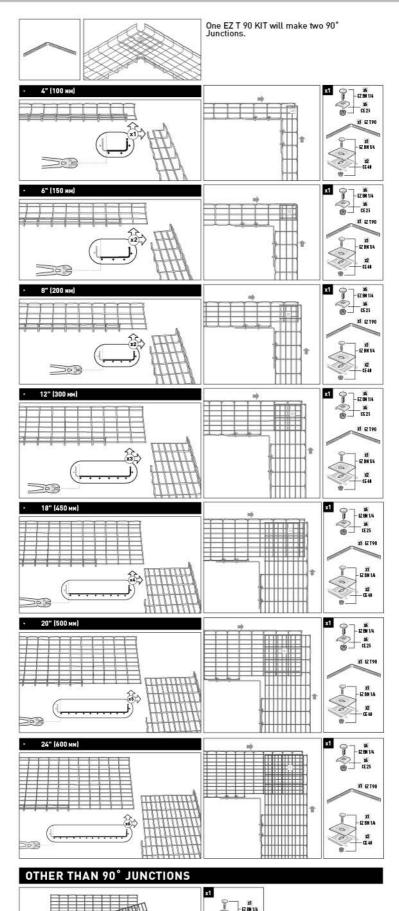
# 90° BENDS: EZ T 90 KIT



#### Y JUNCTIONS

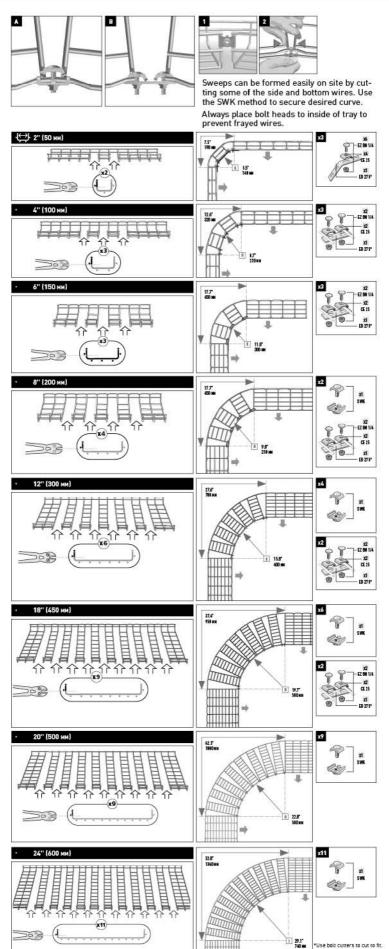


# 90° JUNCTIONS

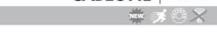


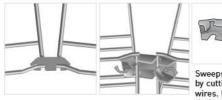
# SWEEPS: SWK & EZ BN 1/4 / CE25 / ED275





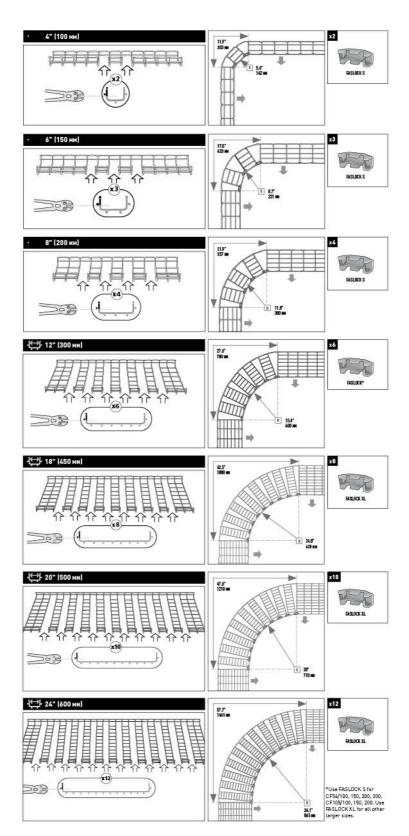
# SWEEPS: FASLOCK



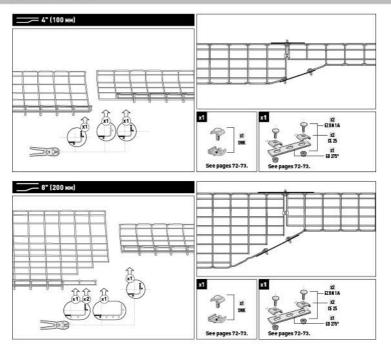




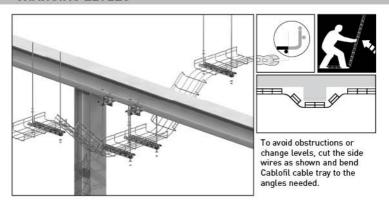
Sweeps can be formed easily on site by cutting some of the side and bottom wires. Use the FASLOCK method to secure desired curve.



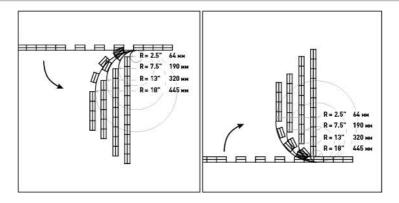
# REDUCTIONS



#### **CHANGING LEVELS**



#### **CUTTING AND BENDING**



# BONDING AND GROUNDING (山)



Per NEC 392, the national electrical code section for cable tray, all cable tray systems must be properly BONDED, per section 259.96. To meet this requirement, Cablofil recommends that ULclassified splices are used to joins sections and that the cable tray be bonded to building steel or the facility grounding system every 50'-60'. By bonding the tray every 50'-60', the tray will maintain a low potential to ground which reduces EMI and provides a continuous path for stray currents. Steel trapeze type hangers clamped securely to building steel usually provide a solid bond. Cablofil standard splices (SWK, EDRN, EZBN, EDT, EZT90, RADT90) are designed to have less than 1 milliohm of resistance between connections and provide bonding between sections. These splices have been tested by UL as part of the cable tray grounding system. Painted Cablofil wire mesh tray requires the outer mask of the conductive surface be removed at each end of the tray prior to installing the (SWK) splice. This (SWK) splice provides a UL Classified Bonding continuity between painted tray sections. All cable tray needs to be electrically continuous per NEC 250.96. Standard Cablofil splices provide continuity per 250.96. Cutting and removal of cable tray sections still allow continuity per 250.96 and only affects the rare use of cable tray as the EGC. Use of cable tray as an EGC is rare since UL requires all multiconductor cables to contain an integral EGC and single conductor cables are only used in a few industrial applications.

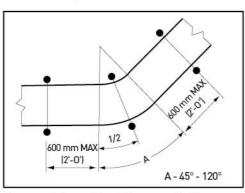
#### LOADING

Cablofil has been tested to UL, CSA, NEMA VE1 and IEC standards. Cablofil wire mesh tray and supports are designed to support any cable load allowed by the NEC when supports are spaced on 8' spans. Only the heaviest cables (750 kcmil multiconductor power or larger) may require shorter spans. For specific loading go to the interactive load table on www.cablofil. com and choose your exact cable for detailed cable capacity and span requirements.

#### SUPPORT SPACING

Cablofil comes in 118" lengths and straight sections are designed for 6'-8' support spacing; (building joists or purlins are typically on 6'-7' spacing)

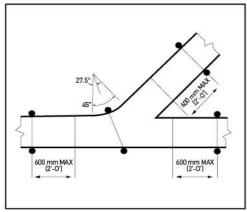
Cablofil has developed the following diagrams as a general guideline for supporting Field Fabricated Wire Mesh Tray. These guidelines will provide assistance in estimating and locating supports for the most common wire mesh tray installations. Supports are required as some of the side wires have been cut and the load capacity has been reduced. In actual installation, shallow and narrow trays may not require as many supports just as deep and wide trays may require additional supports. The installer should keep in mind that unique requirements arise in the field and practical solutions are often simple.



#### Horizontal Sweep Support

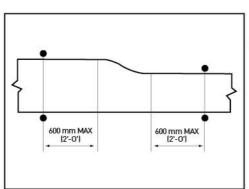
Center support not required on trays less than 12" wide and sweeps less than 45 degrees.

#### SUPPORT SPACING

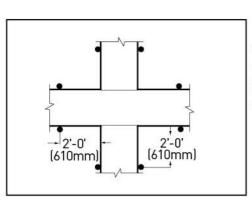


#### Horizontal Y Support

Center support not required on trays less than 12" wide.

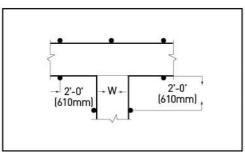


#### Reduction Support



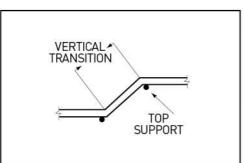
#### Horizontal Cross Support

On 24' wide items, recommended distance is 1 ft. 6 in. (457mm) from splice connection.



#### Horizontal Tee Support

Additional support recommended at back of tee (shown) or directly under tee, diagonally positioned, for 4" and 6" deep trays, 18" and wider.



#### **Vertical Transition**

Support vertical transition at top support location. Distances of 3 ft. and larger should be supported at each end as illustrated.

## TRAY



2" DEEP TRAY
2", 4", 6", 8", 12", 18", 20", & 24" WIDE



CF 105 4" DEEP TRAY
4", 6", 8", 12", 18", 20", & 24" WIDE



6" DEEP TRAY 12", 18", 20", & 24" WIDE



EasyPack



G CABLOFIL TRAY



CFG



CFL I CABLOFIL TRAY



FCF 54 FASCLIC TRAY

TRAY COVERS



CTXF 35 TELEX RAIL COVER



UC35 TELEX RAIL STANDOFF SUPPORT



CVN CABLOFIL TRAY COVER



CLIP F02 CABLOFIL COVER CLIP



**COT 30/COT 54** DIVIDER STRIP



COT 105/COT 150 DIVIDER STRIP



DIVIDER COUPLER

#### **SPLICING**



**EDRNTOOL** MOUNTING TOOL



PRE-CLICK SPLICE



ED 275 UNIVERSAL SPLICE BAR

#### **SPLICING**



SPLICE WASHER KIT



**EZBN 1/4** 





CE 25 - CE 30 SQUARE SPLICE WASHER



**FASLOCK** SPLICE



SQUARE SPLICE WASHER



EZT 90 KIT 90° BEND KIT



RAD T 90 KIT RADIUS TEE 90° KIT

#### **ACCESSORIES**



EZBN 1/4"



**EZHN** 1/4", 3/8", 1/2"



**EZFW** 1/4", 3/8", 1/2"



**THRD** 1/4", 3/8", 1/2"

#### **ACCESSORIES**



TRP

THREADED ROD PROTECTOR



**EZCN** 1/4", 3/8", 1/2"



SWK



**CE 25** 



**CE 30** 



**CE 40** 



**FASLOCK** 



CA

COUPFIL



2025020229 ED 250/90

320300330

ED 275/1100

# 

# WALL MOUNTINGS



FAS P FAS PROFILE



VERTICAL BRACKET



BRACKET





FAS U UNIVERSAL BRACKET



RAIL



CS STANDARD L BRACKET





# WALL MOUNTINGS



UC 50 CABLE TRAY STANDOFF



CAT 30/41 SNAP-IN WALL HANGER SUPPORT



WALL MOUNT ATTACHMENT

#### **CEILING MOUNTINGS**



SF 50 CENTER HANGER



SF 100 CENTER HANGER



**PAT 30** SUSPENSION SHOE



SINGLE HANGER SUSPENSION BRACKET



CENTER HANGER



FAS PROFILE

## CEILING MOUNTINGS CONT.





TRAPEZE HANGING CLIP





**PFREDF** MOUNTING BRACKET



ANGLE MOUNTING BRACKET



BRACE PLATE



**PROCS** STANDARD PROFILE



STANDARD L BRACKET



STANDARD C BRACKET



**UNDER FLOOR MOUNTINGS** 



**UFC** UNDER FLOOR SUPPORT CLAMP



UNDER FLOOR CLAMP



RAIL



ANGLE MOUNTING BRACKET



UFS UNDER FLOOR SUPPORT



**UFS 150** UNDER FLOOR SUPPORT STAND



UC 50 CABLE TRAY STANDOFF



UFCF2 WIRE TRAY SECTIONS



UFFLAT & UFTXSPRCLP



UFS SUPPORT KIT



**UFS CANTILEVER BRACKET** 

#### **OTHER MOUNTINGS**



**FASCLM** FAS CLAMP



ETC TRAY BEAM SUPPPORT



**EZBC** THREADED ROD HANGER



C 50 ELECTRICAL BOX SUPPORT



SBDA CONDUIT AND BOX SUPPORT



CM501 INDUSTRIAL BOX MOUNTING BRACKET



CABLEXIT



HB<sub>2</sub> WALL/FLOOR TERMINATION BRACKET



DROP OUT CABLE DROP OUT



CCLMP CABLE CLAMP



MFM METALLIC MULTIFIX PLATE



CABLE LABEL CLIP



VELCRO ROLL



CABLO SNAP CABLE BUNDLER



**EZJB 5/16** J-BOLT



**FAS ROLLER** 



**HD FAS ROLLER** 



GRIPPLE WIRE CABLE HANGING SUPPORT





SZMCKIT SEISMIC BRACING KIT



**SZMCSWAG** 



**GNDSB** GROUNDING LUG



FLAMESTOPPER™

# **CABLOFIL**

# **La legrand**®

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