

CABLOFIL CABLE MANAGEMENT

Finishes and Product Features

Cablofil Cable Management is 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 availability.

SYMBOL	MATERIAL	FINISH & STANDARD	INTERIOR INSTALLATIONS	EXTERIOR INSTALLATIONS	PETROLEUM PLANTS CHEMICAL PLANTS	MARINE/SALT, WEAK SULPHUROUS ENVIRONMENTS	ACIDIC, ALKALINE ENVIRONMENTS	FOOD PRODUCTION, WASH-DOWN, CLEAN ROOMS	HALOGEN ENVIRONMENTS
PG	Carbon Steel ASTM A653	Pre-Galvanized: Continuous Galvanization Before Fabrication ASTM A 653	●						
EZ	Carbon Steel ASTM A510 Grade 1008	Electro zinc: Electro zinc 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	Geomet: Zinc and Aluminum Protection Equivalent to Hot Dip Galvanization ASTM F 1136		●	●	●	●		
304L	Stainless Steel AISI Type 304L	Stainless Steel 304L: Cleaned and Passivated ASTM A 380		●	●	●	●	●	●
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	●						

For a more detailed explanation of finish standards and compatibility, visit www.legrand.us/cablofil.

● Recommended ● Possible

Galvanic Corrosion

Galvanic corrosion is the result of an electrochemical phenomenon due to the potential difference between different metals, or between a metal and the impurities it contains, when they are in electrical contact. Be aware of this phenomenon when selecting supports, splices and accessories. The results listed below are based on laboratory conditions and testing. However, in actual installations other conditions need to be considered to determine if significant galvanic reactions will occur.

RECOMMENDED COMPATIBILITY

CABLE TRAY	ACCESSORIES
PG / EZ	PG / EZ
GC	GC / DC
304L / 316L	316L

RECOMMENDED FOR TYPICAL CABLE TRAY

TRAY MATERIAL & FINISH	HARDWARE FINISH			
	ZINC-PLATED	GEOMET	GC	316L
Steel/EZ (Electrozinc)	●	●	●	●
Steel/GC (HDGAF)		●	●	●
Steel/BL (Painted)	●	●	●	●
Steel/PE (Painted)	●	●	●	●
Stainless-steel 304 (Passive)		●	●	●
Stainless-steel 316 (Passive)		●	●	●
Aluminum	●	●		●

● Recommended ● Possible

GALVANIC CORROSION TEXT RESULTS

SECONDARY MATERIAL (HARDWARE)	PRIMARY MATERIAL (TRAY)							
	STAINLESS-STEEL 304L	NICKLE	COPPER	BRASS	CARBON STEEL	ALUMINIUM	CHROMIUM	ZINC
Stainless-steel 304L	0							
Nickle	180	0						
Copper	320	140	0					
Brass	400	220	80	0				
Carbon Steel	750	570	430	350	0			
Aluminum	840	660	520	440	90	0		
Chromium	950	770	630	550	200	110	0	
Zinc	1150	970	830	750	400	310	200	0

The potential differences are expressed in millivolts. Shaded secondary materials in combination with primary materials listed above is not recommended.

Conditions

Lab Tests

- Submerged in seawater
- Equal mass materials
- Great connection

Typical Cable Tray Installation

- Wet/dry cycles not constant immersion
- Primary material may be 100 times greater
- Electrical current/connector

CABLOFIL PRODUCT CODE

Our part number makes it easy to identify part type, size and finish. Please use this code whenever ordering or specifying any Cablofil product.

FOR TRAY			
TYPE OF TRAY	DEPTH IN MM	WIDTH IN MM	FINISH CODE
CF	54	100	EZ

FOR SUPPORTS AND OTHER PRODUCTS		
PRODUCT CODE	SIZE IN MM	FINISH CODE
FASC	300	PG

SYMBOLS LEGEND

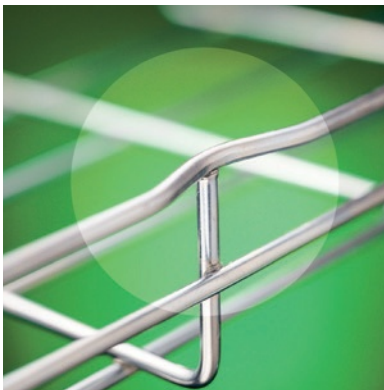
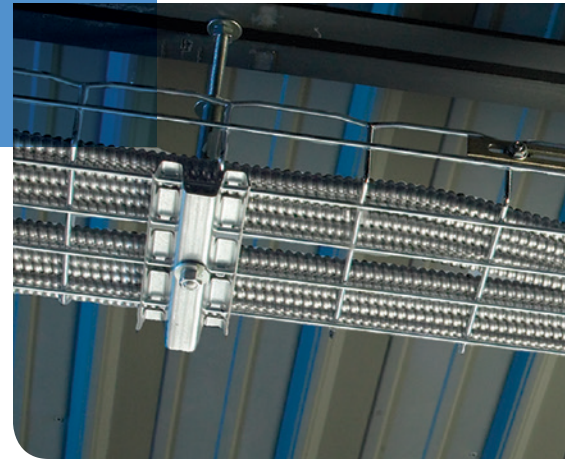
Use these symbols to guide you through our catalog of innovative cable management products.



CABLE MANAGEMENT

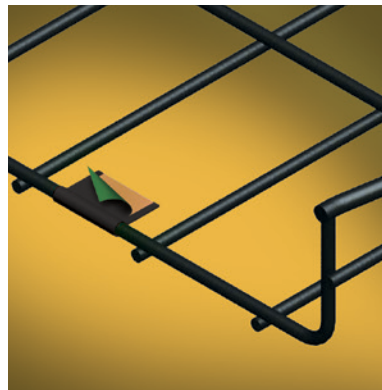
BUILT TO BE THE BEST

Cablofil Cable Management is constructed of precision engineered, high quality, welded steel wire and is the result of decades of research gained from the installation of 110,000 miles of tray across the globe. Our tray is subjected to testing at every stage of the manufacturing process. In actual use, it has performed in a wide variety of applications from heavy power cable pathways on oil drilling platforms in the North Sea, to data installation above the ceiling in modern office buildings.



SAFE-T-EDGE

Our unique Safe-T-Edge design involves "T" welding the lateral wires to the bottom edge of the top wires, which eliminates sharp edges and creates a smooth cable pathway that's safe for cables and installers. This is most important when adding or changing cables in your cable pathway.



UL CLASSIFIED PAINTED WIRE CABLE TRAY

Our UL Classified painted wire tray meets NEC392 from the National Electric Code that states, "all cable tray systems must be properly BONDED, per 250.96". It is also UL Classified as an EGC (Equipment Grounding Conductor). Installation requires a SWK splice on adjoining tray bottoms that features a copper strip.



PATENTED OPTIMIZED WIRE DESIGN

The diameter of key wires in Cablofil is optimized to the exact diameter necessary, enabling the tray to support the greatest working load. While other manufacturers advocate larger wire sizes for greater strength, Legrand reviews product performance using best-tested method for in-field use. This optimized wire design is patented in the US and around the world.

CERTIFICATIONS

Cablofil Cable Managements have been independently evaluated by UL, CSA, ABS, DNV, ETL, and VDE to meet applicable standards and requirements. Our products hold UL Classification to NEC requirements, cCSAus certification to NEMA & CSA requirements, ABS Product Design Assessment certification, and E90 certification. Our products also meet the standards requirements of IEC, EIA-TIA, and BICSI. For more information on Cablofil certifications, please visit www.legrand.us/cablofil.

MEMBERSHIPS:

NEMA, CTI, EIA-TIA, NFPA, IEC, BICSI

REGISTERED TO
 ISO 9001:2000





CF 30 12
1" DEEP TRAY

CF 54 12
2" DEEP TRAY

CF 105 13
4" DEEP TRAY

CF 150 13
6" DEEP TRAY

**UL CLASSIFIED PAINTED
WIRE CABLE TRAY** 14

PACKCF 14
EASY PACK



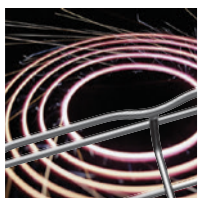
LOAD TESTING

Cablofil Cable Management has been engineered and tested per NEMA VE1 to support loads that exceed its fill capacity. For exact data on load capacity, testing methods and support placement, please visit www.legrand.us/cablofil.



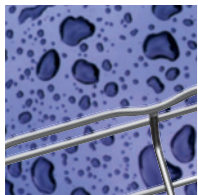
RESISTANCE TO FIRE

Cablofil Cable Management is certified E-30 to E-90. This German standard is the only certification of its kind in the world and requires that the tray and its supports withstand 1000° C or 1832° F heat for a period of 90 minutes. This is an important safety consideration when planning fire exit routes from a burning building.



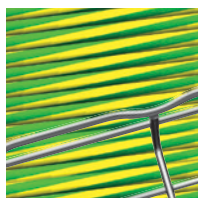
EXCELLENT EMC

Testing by independent laboratories show that Cablofil Cable Management, when installed and earthed correctly, significantly reduces electromagnetic disturbances. The steel structure of the tray absorbs EMI and drains the disturbance away from cables causing minimal effect to the connected equipment. Cable pathways constructed of aluminum alloys or plastics have no effect on EMI reduction.



ELECTRICAL CONTINUITY

Cablofil Cable Management and our wide range of splices are tested and comply with CSA, IEC, NEC, NEMA and UL requirements for low resistance. Excellent electrical continuity and grounding is essential for safe installations and reduces shock hazards.



STEEL GRADE QUALITY

Our tray is constructed of precision engineered, high quality steel wire. ISO 9000 certified, Cablofil Cable Management is subjected to rigorous quality control at every stage of the manufacturing processes.

CFG 15
G-TRAY
G-MINI

FCF 54 16
FASCLIC

CFL 16
L-TRAY

TXF 35 17
TELEX RAIL

CTXF 35 17
TELEX RAIL COVER

UC 35 17
TELEX RAIL
STANDOFF SUPPORT

TRAY INSERT 17

CVN 18
COVER

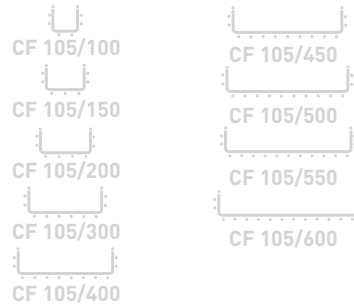
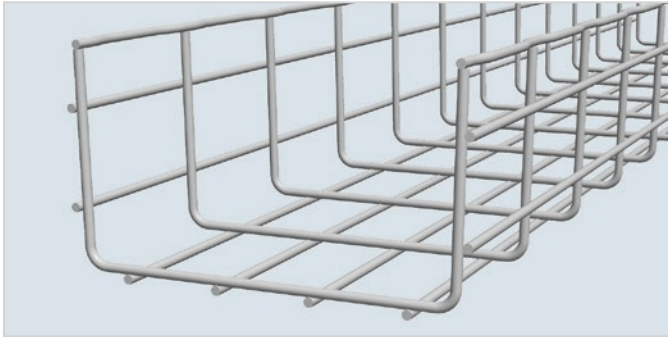
CLIP F02 18
COVER CLIP

COT F 18
FLEXIBLE DIVIDER

COT 19
DIVIDER STRIP
DIVIDER COUPLER



CF 105 CABLOFIL CABLE TRAY



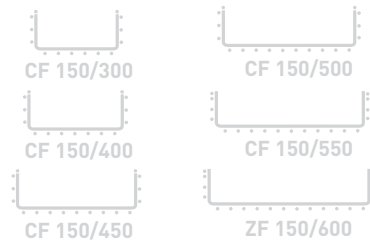
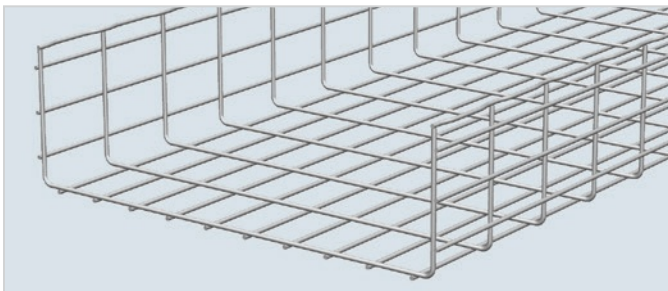
Other sizes available. Contact Legrand.

Cablofil's Optimized Wire Size, Tray Patent Number – 6.138.961

	HEIGHT		WIDTH		LENGTH		WEIGHT		EZ	GC	304L	316L	BL	PE
	INCHES	MM	INCHES	MM	FEET	M	LBS	KG	Ⓢ	Ⓢ			Ⓢ	Ⓢ
CF 105/100	4.0	105	4.0	100	10.0	3	9.0	4.1	000 891	000 893	000 898	000 894	941 114	934 146
CF 105/150	4.0	105	6.0	150	10.0	3	10.2	4.6	000 901	000 903	000 908	000 904	941 115	934 152
CF 105/200	4.0	105	8.0	200	10.0	3	13.4	6.1	000 911	000 913	000 918	000 914	941 116	934 160
CF 105/300	4.0	105	12.0	300	10.0	3	21.2	9.6	000 921	000 923	000 928	000 924	941 118	934 163
CF 105/400	4.0	105	16.0	400	10.0	3	23.0	10.4	000 931	000 933	000 938	000 934	941 119	934 167
CF 105/450	4.0	105	18.0	450	10.0	3	25.9	11.8	001 931	941 071	*	*	942 463	942 462
CF 105/500	4.0	105	20.0	500	10.0	3	27.5	12.5	000 941	000 943	000 948	000 944	941 120	934 170
CF 105/550	4.0	105	22.0	550	10.0	3	29.0	13.0	001 941	*	*	*	*	*
CF 105/600	4.0	105	24.0	600	10.0	3	30.4	13.8	001 031	001 033	001 038	001 034	941 127	933 905

*Product number was not available at time of print.

CF 150 CABLOFIL CABLE TRAY



Other sizes available. Contact Legrand.

	HEIGHT		WIDTH		LENGTH		WEIGHT		EZ	GC	304L †	316L †	BL	PE
	INCHES	MM	INCHES	MM	FEET	M	LBS	KG	Ⓢ	Ⓢ			Ⓢ	Ⓢ
CF 150/150	6.0	150	6.0	150	10.0	3	18.9	8.6	000 981	000 983	000 988	000 984	941 124	934 178
CF 150/200	6.0	150	8.0	200	10.0	3	21.8	9.9	000 951	000 953	000 958	000 954	941 121	934 172
CF 150/300	6.0	150	12.0	300	10.0	3	24.4	11.0	000 961	000 963	000 968	000 964	941 122	934 174
CF 150/400††	6.0	150	16.0	400	10.0	3	25.8	11.7	000 971	000 973	000 978	000 974	941 123	934 176
CF 150/450	6.0	150	18.0	450	10.0	3	26.5	12.0	001 011	001 013	001 018	001 014	941 125	933 902
CF 150/500	6.0	150	20.0	500	10.0	3	27.8	12.6	001 021	941 078	941 079	001 024	941 126	933 903
ZF 150/550**	6.0	150	22.0	550	10.0	3	28.7	13.0	941 000	941 081	941 082	941 083	942 287	942 359
ZF 150/600	6.0	150	24.0	600	10.0	3	29.5	13.4	942 466	942 721	*	*	*	*
ZF 150/900**	6.0	150	36.0	900	10.0	3	34.6	15.7	943 161	*	*	944 583	943 783	*

*Product number was not available at time of print.

**Products listed as "ZF" are only available in Straight Edge Tray. Non-Standard/Non-Stocked - Available Upon Request.

†Available as "ZF" only.

††Non-Standard/Non-Stocked - Available Upon Request.

