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	**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	**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

	HARDWARE FINISH			
TRAY MATERIAL & 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

	PRIMARY MATERIAL (TRAY)							
SECONDARY MATERIAL (HARDWARE)	STAINLESS-STEEL 304L	NICKLE	COPPER	BRASS	CARBON STEEL	ALUMINUM	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.

ASSEMBLY WITHOUT NUTS AND BOLTS

ASSEMBLY WITH NUTS AND BOLTS

FAST ASSEMBLY

NEW PRODUCT INNOVATION

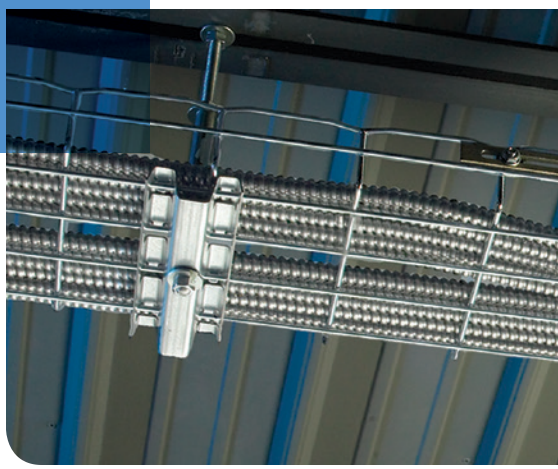
SAFE-T-EDGE™

PATENTED CABLOFIL PRODUCTS

PATENTED FAST ASSEMBLY SYSTEM™

FAST ASSEMBLING SYSTEM

CABLE MANAGEMENT

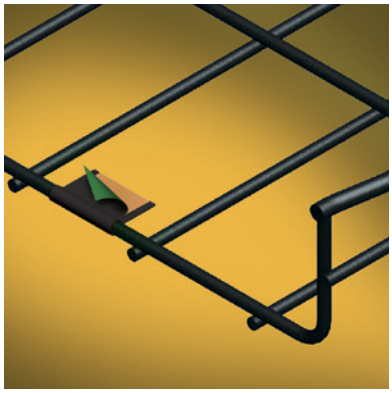


BUILT TO BE THE BEST

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

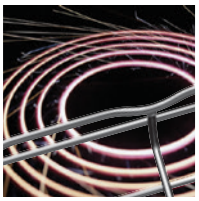
REGISTERED TO ISO 9001:2000

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.

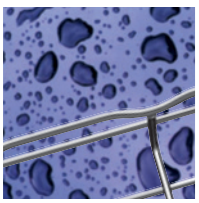
RESISTANCE TO FIRE

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.



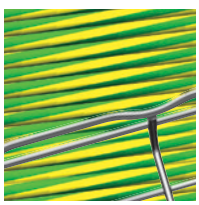
EXCELLENT EMC

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

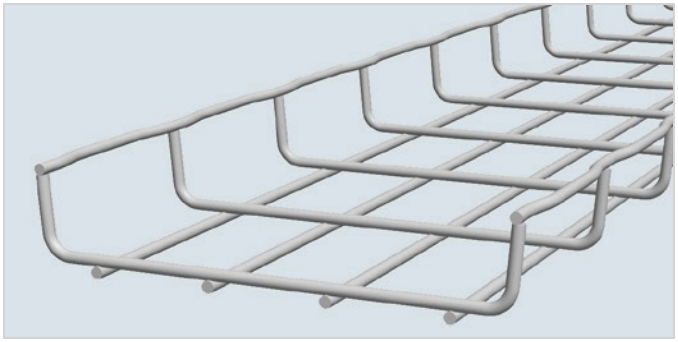
Cablofil Cable Management and our wide range of splices are tested and comply with CSA, IEC, NEC, NEMA and UL requirements for low resistance. Excellent electrical continuity and grounding is essential for safe installations and reduces shock hazards.



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.

CF 30
CABLOFIL CABLE TRAY

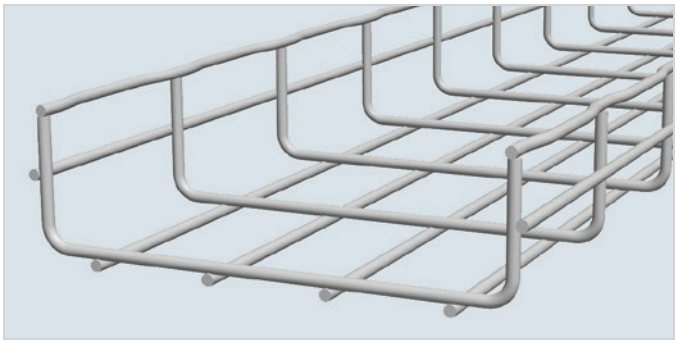


Cablofil's Optimized Wire Size, Tray Patent Number – 6.138.961

	HEIGHT		WIDTH		LENGTH		WEIGHT		EZ	GC	304L	316L	BL	PE
	INCHES	MM	INCHES	MM	FEET	M	LBS	KG						
ZF 30/50*	1.0	30	2.0	50	10.0	3	3.3	1.5	000 011	000 013	000 018	000 014	941 096	933 907
CF 30/100	1.0	30	4.0	100	10.0	3	4.5	2.0	000 021	000 023	000 028	000 024	941 097	933 925
CF 30/150	1.0	30	6.0	150	10.0	3	5.7	2.6	000 031	000 033	000 038	000 034	941 098	933 934
CF 30/200	1.0	30	8.0	200	10.0	3	7.4	3.3	000 041	000 043	000 048	000 044	941 099	933 972
CF 30/300	1.0	30	12.0	300	10.0	3	9.4	4.3	000 051	000 053	000 058	000 054	941 100	934 016

*Products listed as "ZF" are only available in Straight Edge Tray.

CF 54
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 54/50	2.0	54	2.0	50	10.0	3	5.3	2.4	000 061	000 063	000 068	000 064	941 101	934 056
CF 54/100	2.0	54	4.0	100	10.0	3	6.5	3.0	000 071	000 073	000 078	000 074	941 102	934 095
CF 54/150	2.0	54	6.0	150	10.0	3	7.8	3.5	000 081	000 083	000 088	000 084	941 103	934 130
CF 54/200	2.0	54	8.0	200	10.0	3	9.0	4.1	000 091	000 093	000 098	000 094	941 104	934 158
CF 54/300	2.0	54	12.0	300	10.0	3	13.4	6.1	000 101	000 103	000 108	000 104	941 105	933 901
CF 54/400	2.0	54	16.0	400	10.0	3	20.0	9.1	000 201	000 203	000 208	000 204	941 107	933 918
CF 54/450	2.0	54	18.0	450	10.0	3	22.8	10.3	000 251	000 253	000 258	000 254	941 108	933 928
CF 54/500	2.0	54	20.0	500	10.0	3	24.4	11.0	000 301	000 303	000 308	000 304	941 109	933 932
CF 54/550	2.0	54	22.0	550	10.0	3	25.9	11.7	941 001	941 086	941 087	941 088	942 288	942 360
CF 54/600	2.0	54	24.0	600	10.0	3	27.5	12.5	000 401	000 403	000 408	000 404	941 110	933 944