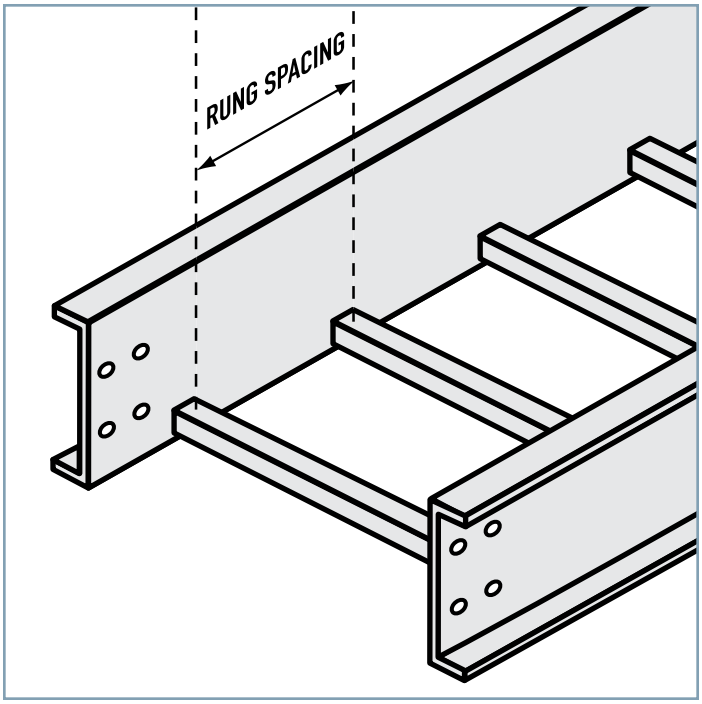
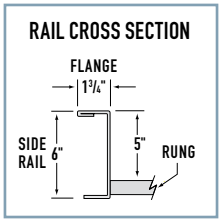
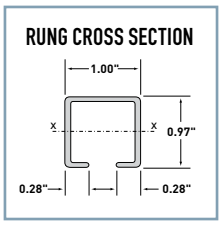
legrand® | Cablofil

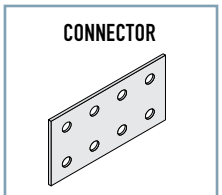
# PW Cable Tray

TRAY SYSTEM NUMBER **1F54RS**




Steel, Hot-dip galvanized **G**

Legrand/Cablofil trays marked with CSA load class have been tested (loading, finish and electrical) by UL to CSA standard 126 22.2 .

Classified by UL as equipment grounding conductors per NEC 392.7. (UL File No. E60796)

## GENERAL INFORMATION

**NEMA TRAY TYPE:** Two Rail Ladder
**NEMA CLASS:** 20C
**CSA CLASS:** E, 6M
**MATERIAL:** Commercial quality steel / ASTM A-1008 / A-1011
**SIDE RAIL:** 6" high with 1 3/4" top flange
**LOAD DEPTH:** 5"
**BOTTOM:** 1" wide box rung
**FINISH:** Hot-dip galvanized after fabrication / ASTM A-123
**CONSTRUCTION:** Arc welded
**TRAY SERIES:** Series 2 (5" tangent)

## ENGINEERING INFORMATION

**TRAY DESIGN:** Construction and markings are per the latest edition of NEMA Standards Pub. VE1, CSA C22.2 No. 126.

**TRAY GROUNDING CAPABILITY:** Classified as an equipment grounding conductor per N.E.C. 392.7 with a maximum 400 ampere rating. UL Cross Sectional area: 1.00 $in^2$

**CONNECTORS:** Supplied in pairs with hardware. Splice resistance is less than 0.00033 ohms. Standard hardware: 3/8 in. cadmium-plated with yellow zinc topcoat. Stainless steel hardware is available upon request.

**MECHANICAL PROPERTIES:**
One rail: I x-x = 3.4185$in^3$ S x-x = 1.2324$in^4$

| TRAY WIDTH (IN.) | TRAY WEIGHT* (LBS./FT.) |
|---|---|
| 6 | 5.28 |
| 9 | 5.47 |
| 12 | 5.65 |
| 18 | 6.01 |
| 24 | 6.38 |
| 30 | 6.74 |
| 36 | 7.11 |

*Based on 9" rung spacing*

**SAFE LOAD DATA** (LBS./FT.) / **SUPPORT SPAN** (FT.) / **DEFLECTION** (IN.)

| 6 | | 8 | | 10 | | 12 | | 14 | | 16 | | 18 | | 20 | | 22 | | 24 | | 26 | | 28 | | 30 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 439 | 0.20 | 439 | 0.50 | 319 | 0.75 | 235 | 1.02 | 180 | 1.34 | 142 | 1.69 | 115 | 2.09 | 93 | 2.48 | 73 | 2.75 | | | | | | |

**CATALOG NUMBERING EXAMPLE:**

**09 - 1F54 - 0020 - 36**

**Bottom Type**
**06** – 6" Rung Spacing
**09** – 9" Rung Spacing*
**12** – 12" Rung Spacing
**18** – 18" Rung Spacing**
** Standard rung spacing*
*** Not CUL Classified*

**Tray System Number**

**Length**
**0010** – 10'-0"
**0012** – 12'-0"
**0020*** – 20'-0"
**0024** – 24'-0"
** Standard for Series 2*

**Width**
**06** – 6"
**09** – 9"
**12** – 12"
**18** – 18"
**24** – 24"
**30** – 30"
**36** – 36"

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