



شركة واحة العربية السعودية للإمدادات الكهربائية المحدودة  
Wahah Electric Supply Co. of Saudi Arabia (Ltd.)

[www.wescosa.com](http://www.wescosa.com)



## CABLE MANAGEMENT SYSTEM

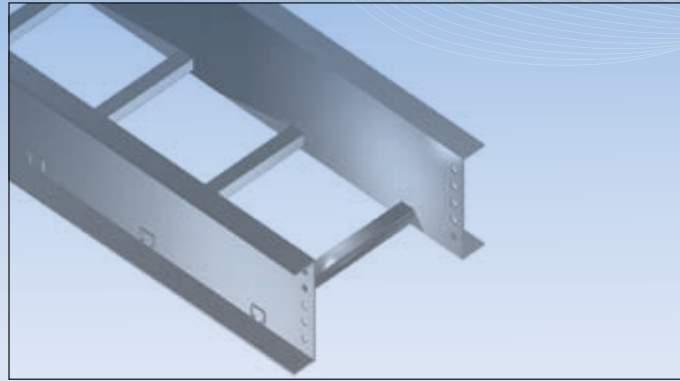
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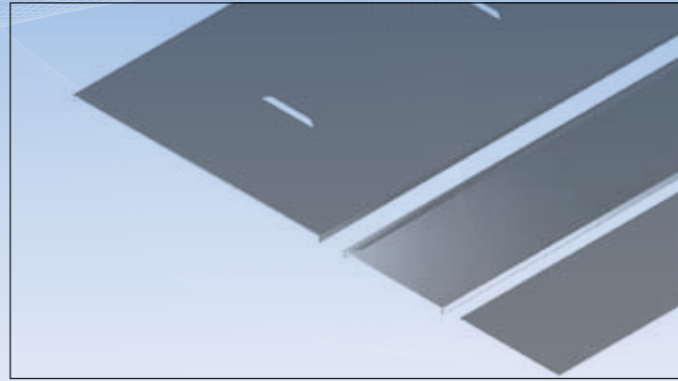
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**CABLE LADDER**



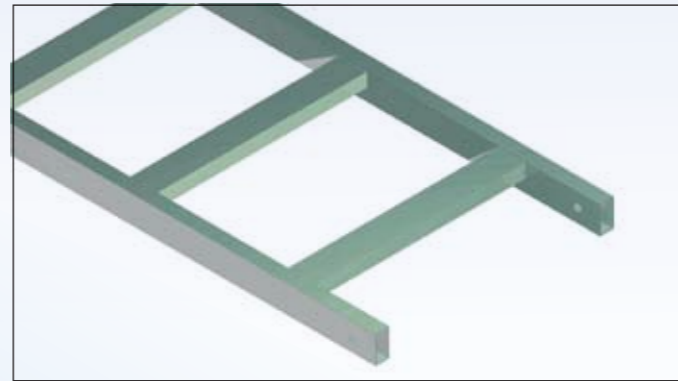
**CABLE TRAY COVERS**



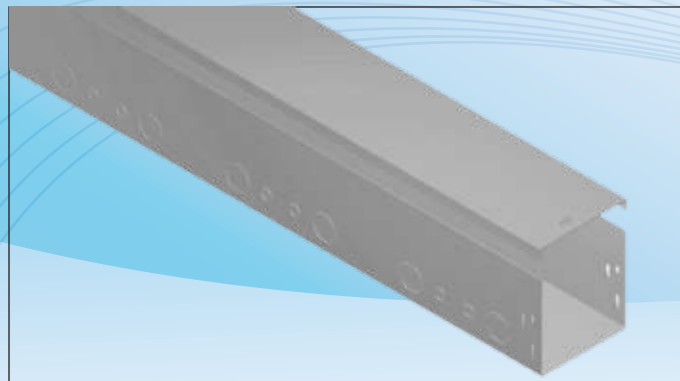
**CABLE TRAY**



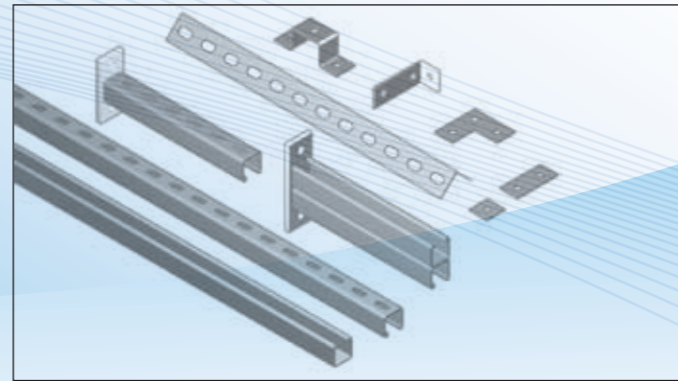
**COMMUNICATION CABLE RUNWAYS**



**TRUNKING / WIREWAY / SQUARE DUCT**



**CABLE TRAY SUPPORTS**



**WESLADDER**

- Best constructed tray available for multiple large cables.
- Typically used by power plants, oil refineries, on and off shore platforms, desalination plants, commercial sites and industrial construction sites requiring strength and reliability.
- Exclusive welded rungs to the outside of the rails for optimum structural integrity and reduce side rail rotation.
- Rung spacing: 6", 9", 12" and 18" (152mm, 229mm, 305mm & 457mm).
- Load Depths: 3", 3 1/2", 4", 5" & 6" (76mm, 89mm, 102mm, 127mm & 152mm).
- Materials available: Aluminum, HDGAF, Polyester powder coated Aluminum or Steel.
- Newer, more efficient and economical designs are now available in addition to older, established designs still preferred by long-standing customers.
- Heavy-duty rungs are used for 30" and 36" wide ladders.

The rung has a flat surface for ease of pulling cables, and the open bottom box rung prevents moisture to build up. Also, the open bottom box shaped design rung cannot deteriorate from within due to corrosion, foreign objects, rain, oils, acids and alkalis. In addition, the box shaped rung is continuously welded around the complete insertion, as not to pull from the rail under the load pressure.

**Technical Information**

Technical data shown here include all the standards, dimensions and materials currently available for Cable Tray.

NEMA VE 1-2002. All trays are manufactured and tested in accordance with the latest NEMA Standards publication.

Aluminum Standard materials used are typically 6063-T6. Hot dip galvanizing fabrication (HDGAF) ASTM designation A123 or BS 1461 specification for zinc coating (hot dip) on assembled steel products and ASTM A36 for raw materials of straight length and fittings.

Electrical Code Article 392 (Cable Trays) of the National Electrical Code provides information on permissible uses of cable tray and cables installed in trays.

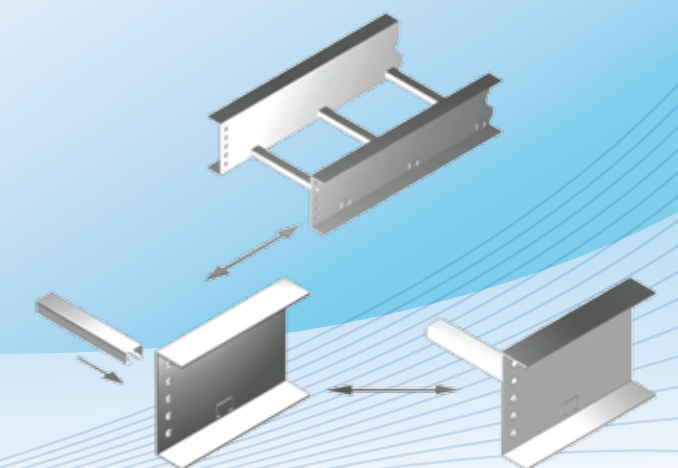
How to determine the correct cable tray type

First, look up the desired support span and load designation in the NEMA Load Class Table to determine the correct class of tray. Next, go to the Cable Tray Selection Chart, locate the proper class in the left hand column, and then read across the chart to determine correct side rail height, load depth and tray type prefix for your choice of aluminum or steel tray.

**NEMA LOAD CLASS TABLE**

Architects and Engineers are using this table for load/span designations.

CLASS	SUPPORT SPAN (ft)	PER FOOT LOAD (pounds)
8A	8	50
8B	8	75
8C	8	100
12A	12	50
12B	12	75
12C	12	100
16A	16	50
16B	16	75
16C	16	100
20A	20	50
20B	20	75
20C	20	100





**Wescosa**  
**Cable Management System**  
**Cable Tray**

**WESTRAY**

- Comes in four (4) types of profiles. Heavy duty external return Flange (standard), inside return flange, C-Profile, and plain type.

WESCOSA Cable Trays are supplied in 2.44 meter or 3 meters standard lengths. The fittings have 600 mm, 300 mm and 150 mm standard reference radius. The channel is manufactured in various widths & heights of aluminum or hot dipped galvanized after fabrication steel, pre-galvanized steel, Stainless steel 304 and 316, with ventilated or solid bottom.

NEMA VE-1 Recommended sizes of channel type cable trays are 75, 100 & 150mm wide with a maximum height of 50mm.

Channel Standard Length; 2.44 meters or 3 meters.

Channel Standard Widths; 100 mm, 150 mm, 225 mm, 300 mm, 450 mm, 600 mm, 750 mm & 900 mm.

Channel Standard Heights: 25 mm, 50 mm, 80 mm, 100 mm.

Channel Standard Slot Size: 6 mm X 25 mm

Channel Standard Thickness: 1.5 mm & 2.0 mm.

Straight Length and fittings are ventilated or solid.

Standard radius fittings can also be supplied. Please consult with our Sales staff for details.

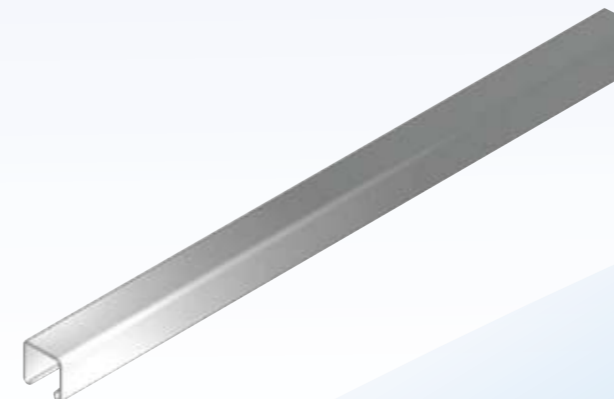


**Wescosa**  
**Cable Management System**  
**Channels**

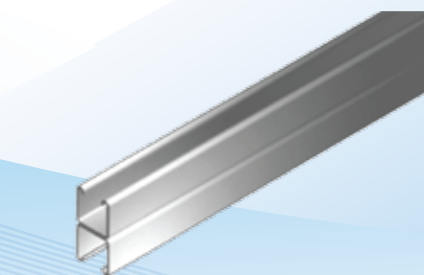
**WESSTRUT TYPE SUPPORT CHANNEL**

WS-Type channels provide indirect support for hanger rods by spanning between available structural support beams and channels. The channel is supplied in 10' or 20' lengths and can easily be field cut to the length needed for use as a trapeze-type support. Available in single or double (back-to-back) configurations.

	<b>SINGLE</b>	<b>DOUBLE</b>
Width	1-5/8"	1-5/8"
Depth	1-5/8"	3-1/4"
Weight / Foot	2 lbs	4lbs
Black Steel	WS-200-( )	WS-200-( )
Aluminum	WS-200-( ) A	WS-200-( ) A
HDGAF	WS-200-( ) G	WS-200-( ) G



**SINGLE STRUT**

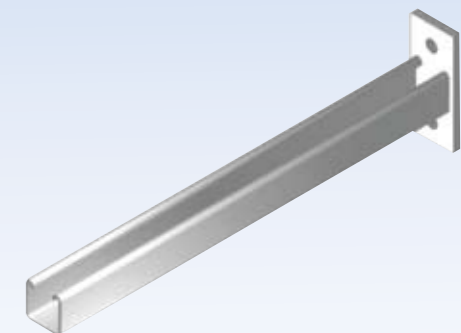


**DOUBLE STRUT BRACKETS (BACK-TO-BACK)**

**SINGLE STRUT BRACKETS**

Designed primarily for use with strut framing, these brackets will work well in other applications. The uniform loads shown represent 2.5 safety factor. Furnished in HDGAF Steel.

Allowable concentrated end load  
 One-half the listed uniform load

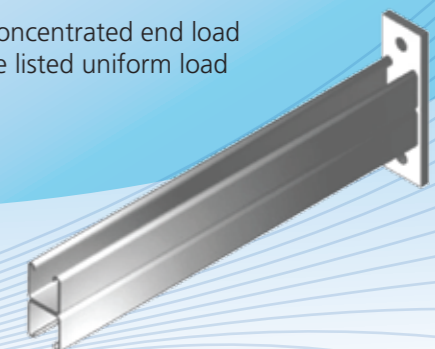


<b>TRAY WIDTH</b>	<b>UNIFORM LOAD</b>	<b>CATALOG No.</b>
24 inches	200 lbs.	WS-S250-30
18 inches	500 lbs.	WS-S250-24
12 inches	700 lbs.	WS-S250-18
9 inches	700 lbs.	WS-S250-15
6 inches	1000 lbs.	WS-S250-12

**DOUBLE STRUT BRACKETS**

This is similar to Single Strut Brackets but for wider trays and heavier loads. The uniform loads shown represent a 2.5 safety factor. Furnished in HDGAF steel.

Allowable concentrated end load  
 One-half the listed uniform load





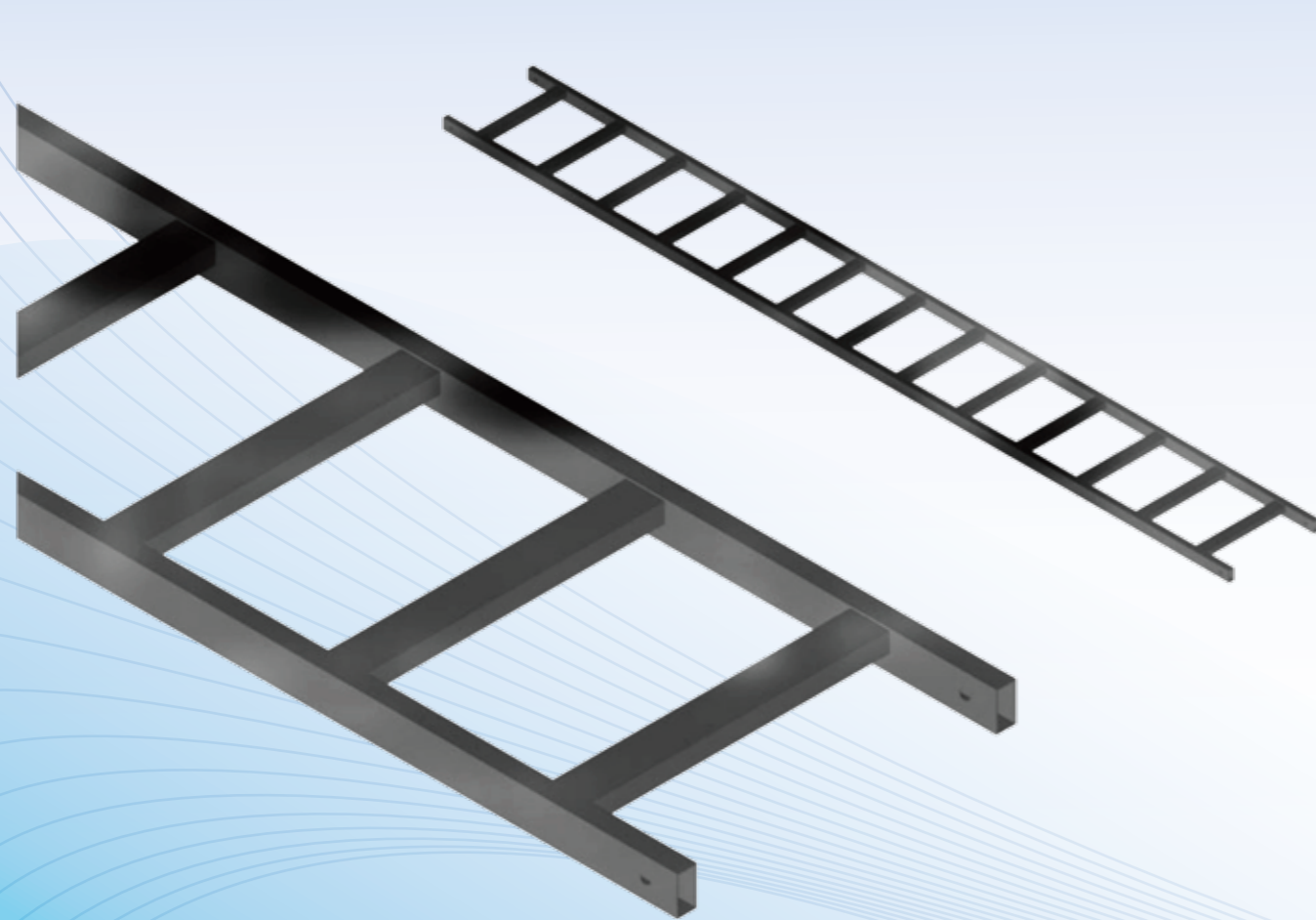
**Wescosa**  
**Cable Management System**  
**Cable Runway**

**WESRUNWAY**

Our most popular Tubular Cable Runway is made of 40 x 20 Rectangle Tubular Section with cross members welded at 9 inch intervals.

- Material:
- a. Steel (ANSI Gray)
  - b. Aluminum

Standard length is 10 ft. or 20 ft.



**Wescosa**  
**Cable Management System**  
**Cover & Cover Fasteners**

WESCOSA offers covers to provide protection for the cables contained within the system from sunlight, environmental elements, dirt, debris and falling objects. All of the covers listed here are used for indoors as well as outdoor applications. Covers are fabricated from corrosion resistant Aluminum, Mill galvanized steel, Steel Hot dip Galvanized or Thermosetting polyester powder coated after fabrication, Stainless steel 304 or 316.

**COVERS**

**Flat and Flat Flanged**  
Flat covers are economical and available for all straight sections. These covers are available flat without flanges or flat with 3/8" flanges.

**Louvered**  
Louvered covers are available for all straight sections and are available as flat or flat flanged.

