

---

# Nonmetallic - Cable tray

## Straight lengths

---

### Applications

#### **Nonmetallic cable tray systems**

Nonmetallic cable tray systems have been tested and proven in the harsh environment of the offshore oil and gas industry – subject to the corrosive conditions inherent in petroleum products, plus the daily punishment of exposure to wind, weather and saltwater.

Nonmetallic cable tray systems have stood up to these challenges.



Selection guide

- 1. Nonmetallic cable tray system.
- 2. Select the correct T&B series cable tray using the load data for straight sections found on page B16-B20.
- 3. Select the resin required. Refer to corrosion guide on page B7 of the technical information section for the effect of environmental conditions on the desired material. For the effective temperature range, see page B9 of the same section.
- 4. Select the rung spacing required to properly support cables in tray.
- 5. Select the desired width in inches.
- 6. Select the straight section length in inches.

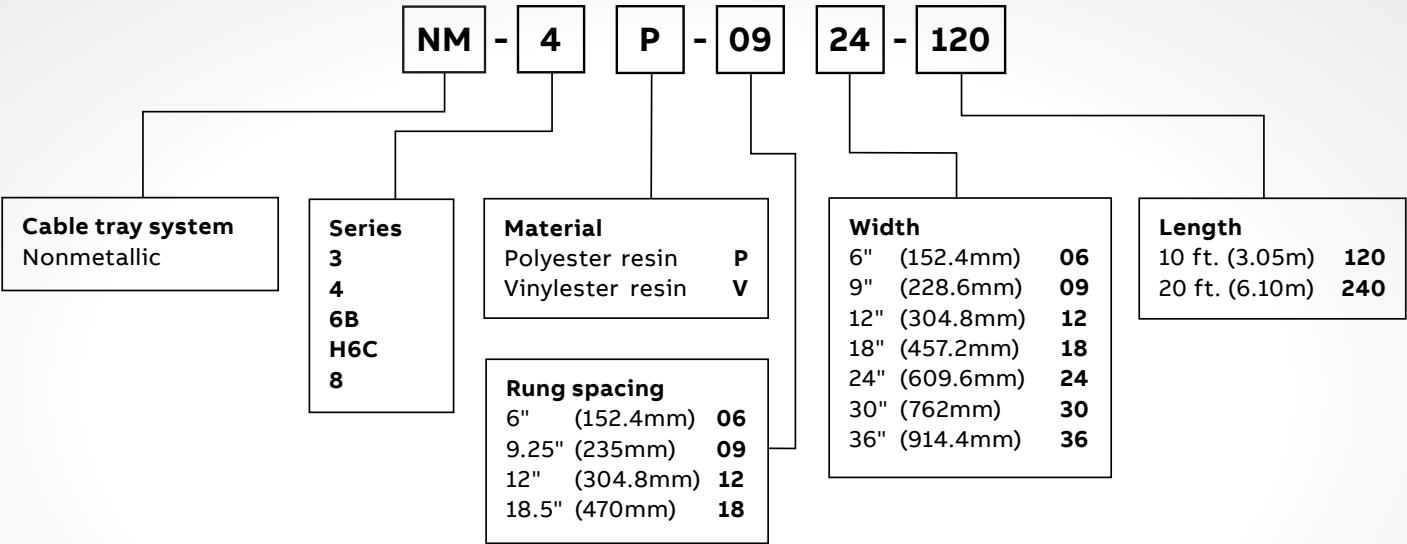
Straight fittings number selection

**To order**  
To order a straight section of cable tray, select the appropriate size and material from the charts below and place those symbols in the sequence shown to form the complete catalog number.

**Example:**

- NM-4P0924-120 for
- 4" (101.6mm) side rail, polyester resin
- 9" (228.6mm) rung spacing
- 24" (609.6mm) wide, 120" (10 ft. (36.58m)) length

NOTE: One pair of nonmetallic splice plates with SS6 hardware included with each length.  
For other types of splice plates, see pages B38-B41.



Series 3 cable tray does not have UL listing.

Nonmetallic - Cable tray straight lengths

6" (152.4mm) Straight sections - Series H6C



Splice plates

One pair of nonmetallic splice plates with SS6 (316 stainless steel) hardware included.

**Deflection factor:** To calculate deflection at any span length for lighter loads than listed, multiply the load by the K factor. When trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%.

Loading

- CSA load class: E/6M
- NEMA 20C
- UL Listing load class C

6" (152.4mm) Straight sections – Series H6C: Loading - NEMA 20C

		Support span ft. (m)					
		Safety Factor	14' (4.3m)	16' (4.9m)	18' (5.5m)	20' (6.1m)	
Side rail height: 6" (152.4mm) (4 11⁄16" (119.1mm) loading depth)	Series						
	H6C	Load (lb)/ft.)	1.5	272	208	164	133
		Load (kg)/m)	1.5	405	310	244	198
		Deflection (in.)	1.5	3.64	4.76	6.01	7.45
		Deflection (mm)	1.5	92.456	120.904	152.654	189.23
		K factor	1.5	0.0129	0.022	0.0352	0.0536

1 5⁄8"

6"

NEMA 4 11⁄16" Fill

1"

Straight section number selection

