

Nonmetallic - Cable tray Fittings

NOTE: Splice plates NOT included. See pages B38-B41 for type of splice plates available. Covers are available. Please consult your ABB representative.

Selection guide

1. Nonmetallic cable tray system.
2. For mitered fittings when available.
3. Select height of fitting required for application. This should match tray series and height selection.
4. 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.
5. Select the desired width in inches.
6. Angle of fitting required for application.
7. Type of fitting required for application. See choices below.
8. Radius required for application. This would be determined by allowable radius of cables being installed. Standard radius is 24" (609.6mm).

Straight fittings number selection

To order

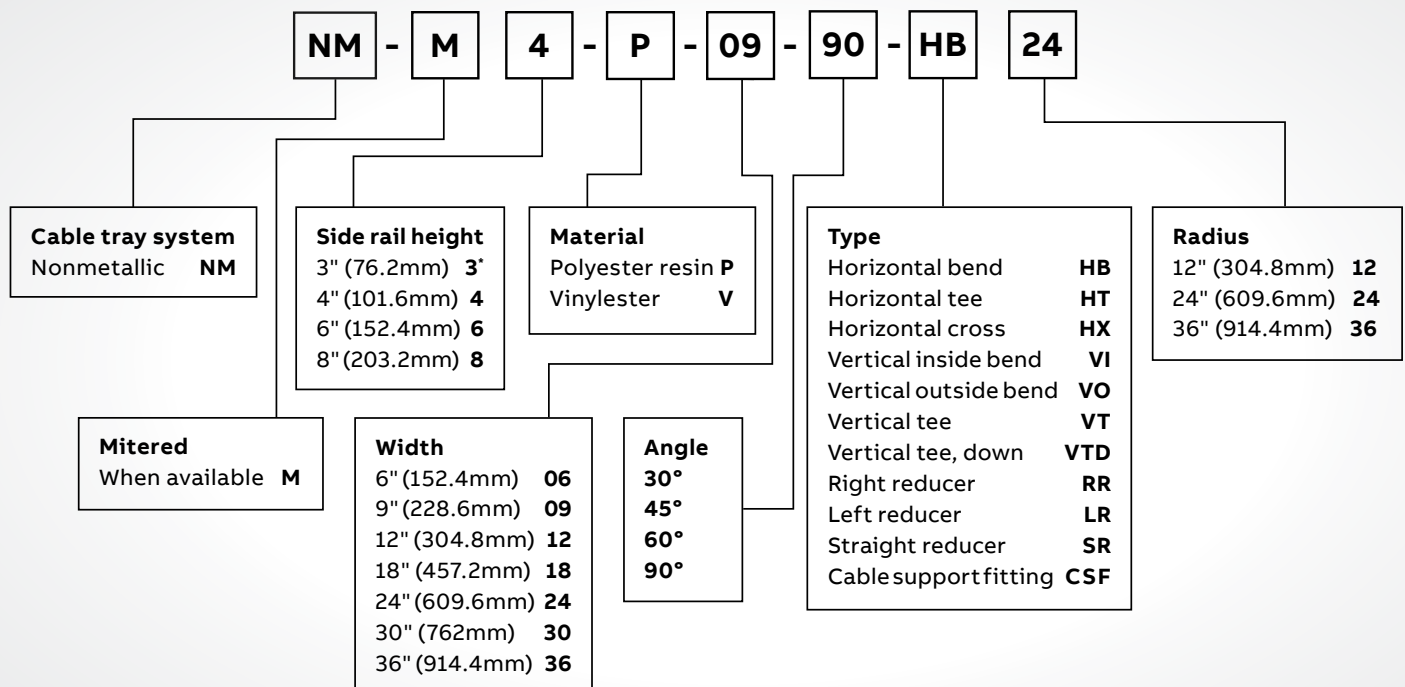
To order a straight section of cable tray, select the appropriate size and material from the charts below and place those symbols in the sequence shown to form the complete catalog number.

Example:

NM-4P0924-120

- 4" (101.6mm) side rail, polyester resin
- 9" (228.6mm) rung spacing
- 24" (609.6mm) wide, 120" (10 ft.) 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.

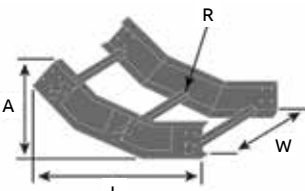


*Series 3 cable tray does not have UL or CSA listing.

Nonmetallic - Cable tray fittings

3" (76.2mm), 4" (101.6mm), 6" (152.4mm) & 8" (203.2mm) - 45°/30° Vertical inside bend fittings

45° Vertical inside bend

						Vertical bend 45°			
Bend radius (R)		Tray Height							
(in.)	(mm)	(in.)	(mm)	Cat. No.	A (in.)	A (mm)	L (in.)	L (mm)	
	12	304.8	3	76.2	NM-M3-(Matl)-(*)-45VI12	9 5⁄16	244	18 1⁄16	459
	24	609.6			NM-M3-(Matl)-(*)-45VI24	13 1⁄16	333	29 5⁄16	751
	36	914.4			NM-M3-(Matl)-(*)-45VI36	16 1⁄16	422	35 1⁄16	891
	12	304.8	4	101.6	NM-M4-(Matl)-(*)-45VI12	11 1⁄16	281	19 7⁄8	505
	24	609.6			NM-M4-(Matl)-(*)-45VI24	14 3⁄16	371	28 3⁄8	721
	36	914.4			NM-M4-(Matl)-(*)-45VI36	18 1⁄16	460	36 7⁄8	937
	12	304.8	6	152.4	NM-M6-(Matl)-(*)-45VI12	12 1⁄2	318	19 7⁄8	505
	24	609.6			NM-M6-(Matl)-(*)-45VI24	16	406	28 3⁄8	721
	36	914.4			NM-M6-(Matl)-(*)-45VI36	19 1⁄2	495	36 7⁄8	937
	12	304.8	8	203.2	NM-M8-(Matl)-(*)-45VI12	13 7⁄8	352	19 7⁄8	505
	24	609.6			NM-M8-(Matl)-(*)-45VI24	17 7⁄16	443	28 3⁄8	721
	36	914.4			NM-M8-(Matl)-(*)-45VI36	20 15⁄16	532	36 7⁄8	937

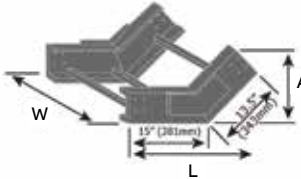
(*) Cable tray Width offered in 6", 9", 12", 18", 24", 30", 36"

One pair of fiberglass splice plates with SS6 hardware included.

Dimensions for reference only; when critical, contact your ABB representative. Consult your ABB representative for availability of molded fittings.

Standard rung spacing for fittings is 9 3/4" nominal (235mm). For other types of splice plates, see pages B38-B41.

30° Vertical inside bend

					Vertical bend 30°				
Bend radius (R)		Tray Height				Vertical inside bend			
(in.)	(mm)	(in.)	(mm)	Cat. No.	A (in.)	A (mm)	L (in.)	L (mm)	
	12	304.8	3	76.2	NM-M3-(Matl)-(*)-30VI12	8	203	18	457
	24	609.6			NM-M3-(Matl)-(*)-30VI24	9	229	24	610
	36	914.4			NM-M3-(Matl)-(*)-30VI36	11	279	30	762
	12	304.8	4	101.6	NM-M4-(Matl)-(*)-30VI12	9	229	18	457
	24	609.6			NM-M4-(Matl)-(*)-30VI24	10	254	24	610
	36	914.4			NM-M4-(Matl)-(*)-30VI36	12	305	30	762
	12	304.8	6	152.4	NM-M6-(Matl)-(*)-30VI12	10	254	18	457
	24	609.6			NM-M6-(Matl)-(*)-30VI24	12	305	24	610
	36	914.4			NM-M6-(Matl)-(*)-30VI36	14	356	30	762
	12	304.8	8	203.2	NM-M8-(Matl)-(*)-30VI12	12	305	18	457
	24	609.6			NM-M8-(Matl)-(*)-30VI24	14	356	24	610
	36	914.4			NM-M8-(Matl)-(*)-30VI36	15	381	30	762

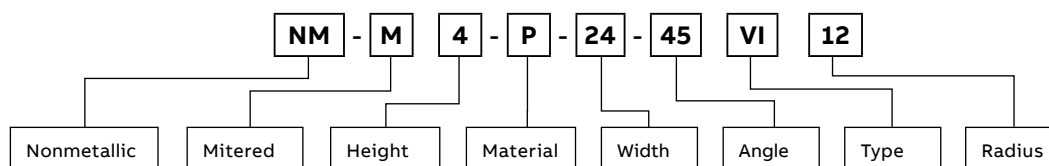
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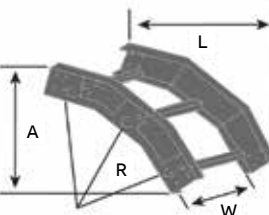
Fitting number selection



Nonmetallic - Cable tray fittings

3" (76.2mm), 4" (101.6mm), 6" (152.4mm) & 8" (203.2mm) - 35°/45° Vertical outside bend fittings

45° Vertical outside bend

					Vertical bend 45°				
					Vertical outside bend				
Bend radius (R)		Tray Height							
(in.)	(mm)	(in.)	(mm)	Cat. No.		A (in.)	A (mm)	L (in.)	L (mm)
					NM-M3-(Matl)-(*)-45VO12	9 ¾	248	18 ½	470
					NM-M3-(Matl)-(*)-45VO24	13 ⅝	338	27	686
					NM-M3-(Matl)-(*)-45VO36	16 ⅜	427	35 ½	902
					NM-M4-(Matl)-(*)-45VO12	10 ¾	273	19 ⅝	487
					NM-M4-(Matl)-(*)-45VO24	14 ⅝	364	27 ⅜	703
					NM-M4-(Matl)-(*)-45VO36	17 ⅜	452	36 ⅜	918
					NM-M6-(Matl)-(*)-45VO12	12 ¾	324	20 ⅝	522
					NM-M6-(Matl)-(*)-45VO24	16 ⅝	414	29 ⅝	738
					NM-M6-(Matl)-(*)-45VO36	19 ⅜	503	37 ⅝	954
					NM-M8-(Matl)-(*)-45VO12	14 ¾	375	22	559
					NM-M8-(Matl)-(*)-45VO24	18 ⅝	465	30 ½	775
					NM-M8-(Matl)-(*)-45VO36	21 ⅜	554	39	991

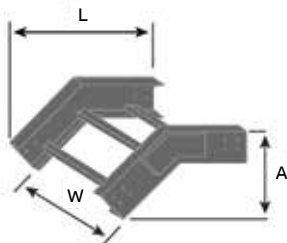
(*) Cable tray Width offered in 6", 9", 12", 18", 24", 30", 36"

One pair of fiberglass splice plates with SS6 hardware included.

Dimensions for reference only; when critical, contact your ABB representative. Consult your ABB representative for availability of molded fittings.

Standard rung spacing for fittings is 9¾" nominal (235mm). For other types of splice plates, see pages B38-B41.

30° Vertical outside bend

					Vertical bend 30°				
					Vertical outside bend				
Bend radius (R)		Tray Height		Cat. No.	A		L		
(in.)	(mm)	(in.)	(mm)		(in.)	(mm)	(in.)	(mm)	
	12	304.8	3	76.2	NM-M3-(Matl)-(*)-30VO12	7	178	17	432
	24	609.6			NM-M3-(Matl)-(*)-30VO24	9	229	23	584
	36	914.4			NM-M3-(Matl)-(*)-30VO36	11	279	29	737
	12	304.8	4	101.6	NM-M4-(Matl)-(*)-30VO12	8	203	17	432
	24	609.6			NM-M4-(Matl)-(*)-30VO24	10	254	23	584
	36	914.4			NM-M4-(Matl)-(*)-30VO36	12	305	29	737
	12	304.8	6	152.4	NM-M6-(Matl)-(*)-30VO12	10	254	18	457
	24	609.6			NM-M6-(Matl)-(*)-30VO24	12	305	24	610
	36	914.4			NM-M6-(Matl)-(*)-30VO36	14	356	30	762
	12	304.8	8	203.2	NM-M8-(Matl)-(*)-30VO12	10	254	18	457
	24	609.6			NM-M8-(Matl)-(*)-30VO24	12	305	24	610
	36	914.4			NM-M8-(Matl)-(*)-30VO36	14	356	30	762

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