

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

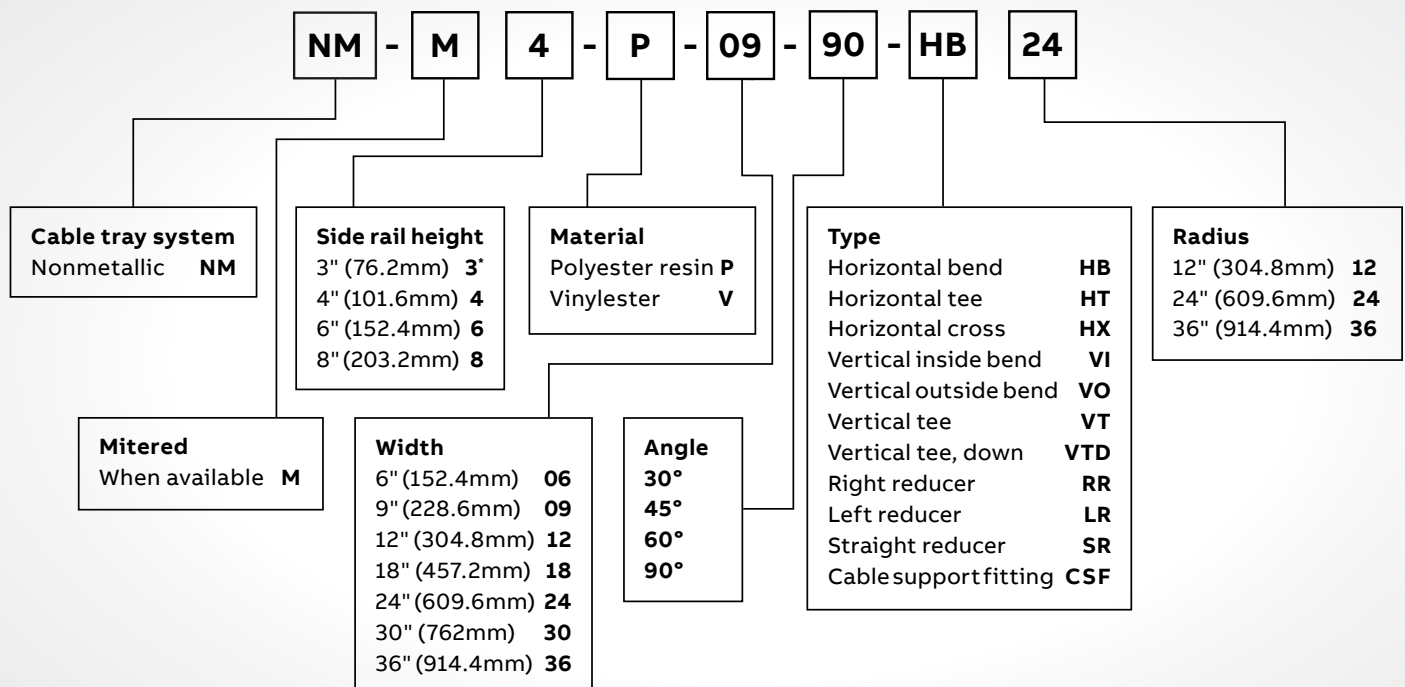
To order a straight section of cable tray, select the appropriate size and material from the charts below and place those symbols in the sequence shown to form the complete catalog number.

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.

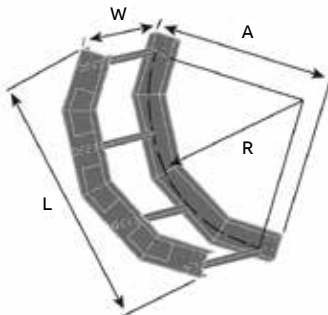


*Series 3 cable tray does not have UL or CSA listing.

Nonmetallic - Cable tray fittings

3" (76.2mm), 4" (101.6mm), 6" (152.4mm) & 8" (203.2mm) - 90° Vertical inside/outside bend fittings

90° Vertical inside bend fittings

	Bend radius (R)		Tray Height		Cat. No.	Vertical bend 90°			
	(in.)	(mm)	(in.)	(mm)		Vertical inside bend			
						A (in.)	A (mm)	L (in.)	L (mm)
12	304.8	3	76.2	NM-M3-(Matl)-(*)-90VI12	18 3⁄16	465	25 15⁄16	659	
24	609.6			NM-M3-(Matl)-(*)-90VI24	30 3⁄16	770	42 7⁄8	1089	
36	914.4			NM-M3-(Matl)-(*)-90VI36	42 3⁄16	1075	59 7⁄8	1521	
12	304.8	4	101.6	NM-M4-(Matl)-(*)-90VI12	20 7⁄8	530	29 1⁄2	749	
24	609.6			NM-M4-(Matl)-(*)-90VI24	32 7⁄8	835	46 1⁄2	1181	
36	914.4			NM-M4-(Matl)-(*)-90VI36	44 3⁄8	1133	63 3⁄16	1608	
12	304.8	6	152.4	NM-M6-(Matl)-(*)-90VI12	20 7⁄8	530	29 1⁄2	749	
24	609.6			NM-M6-(Matl)-(*)-90VI24	32 7⁄8	835	46 1⁄2	1181	
36	914.4			NM-M6-(Matl)-(*)-90VI36	44 3⁄8	1133	63 3⁄16	1608	
12	304.8	8	203.2	NM-M8-(Matl)-(*)-90VI12	20 7⁄8	530	29 1⁄2	749	
24	609.6			NM-M8-(Matl)-(*)-90VI24	32 7⁄8	835	46 1⁄2	1181	
36	914.4			NM-M8-(Matl)-(*)-90VI36	44 3⁄8	1133	63 3⁄16	1608	

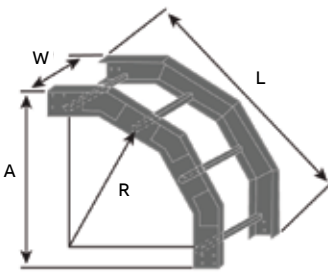
(*) Cable tray Width offered in 6", 9", 12", 18", 24", 30", 36"

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.

90° Vertical outside bend fittings

	Bend radius (R)		Tray Height		Cat. No.	Vertical bend 90°			
	(in.)	(mm)	(in.)	(mm)		Vertical outside bend			
						A (in.)	A (mm)	L (in.)	L (mm)
12	304.8	3	76.2	NM-M3-(Matl)-(*)-90VO12	18 15⁄16	481	26 ¾	679	
24	609.6			NM-M3-(Matl)-(*)-90VO24	30 15⁄16	786	43 ¾	1111	
36	914.4			NM-M3-(Matl)-(*)-90VO36	42 15⁄16	1091	60 11⁄16	1541	
12	304.8	4	101.6	NM-M4-(Matl)-(*)-90VO12	19 7⁄8	505	28 1⁄8	714	
24	609.6			NM-M4-(Matl)-(*)-90VO24	31 7⁄8	810	45 1⁄16	1145	
36	914.4			NM-M4-(Matl)-(*)-90VO36	43 7⁄8	1114	62 1⁄16	1576	
12	304.8	6	152.4	NM-M6-(Matl)-(*)-90VO12	21 7⁄8	556	30 15⁄16	786	
24	609.6			NM-M6-(Matl)-(*)-90VO24	33 7⁄8	860	47 15⁄16	1218	
36	914.4			NM-M6-(Matl)-(*)-90VO36	45 7⁄8	1165	64 7⁄8	1648	
12	304.8	8	203.2	NM-M8-(Matl)-(*)-90VO12	23 7⁄8	606	33 ¾	857	
24	609.6			NM-M8-(Matl)-(*)-90VO24	35 7⁄8	911	50 ¾	1289	
36	914.4			NM-M8-(Matl)-(*)-90VO36	47 7⁄8	1216	67 ¾	1721	

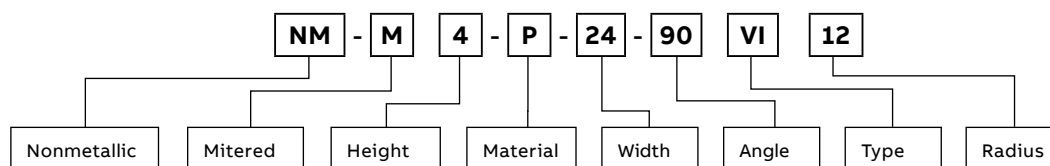
(*) Cable tray Width offered in 6", 9", 12", 18", 24", 30", 36"

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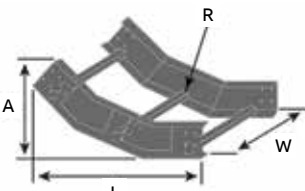
Fitting number selection



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

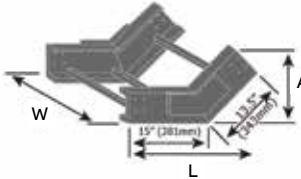
(*) Cable tray Width offered in 6", 9", 12", 18", 24", 30", 36"

One pair of fiberglass splice plates with SS6 hardware included.

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30° Vertical inside bend

					Vertical bend 30°				
Bend radius (R)		Tray Height		Cat. No.	A (in.)	A (mm)	Vertical inside bend		
(in.)	(mm)	(in.)	(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

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

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Fitting number selection

