



System No. W-N-3003

UL1479	CAN/ULC S115
F Ratings – 1 and 2 Hr (See Item 1)	F Ratings – 1 and 2 Hr (See Item 1)
T Ratings – 1/2, 3/4, 1 and 1-1/2 Hr (See Item 1)	FT Ratings – 1/2, 3/4, 1 and 1-1/2 Hr (See Item 1)
L Rating at Ambient – Less Than 1 to 8.8 CFM/Device Module (See Configuration A to C)	FH Ratings – 1 and 2 Hr (See Item 1)
L Rating at 400 F – Less Than 1 to 8.8 CFM/Device Module (See Configuration A to C)	FTH Ratings – 1/2, 3/4, 1 and 1-1/2 Hr (See Item 1)
	L Rating at Ambient – Less Than 1 to 4.2 L/s/ Device Module (See Configuration A to C)
	L Rating at 204°C – Less Than 1 to 4.2 L/s/ Device Module (See Configuration A to C)

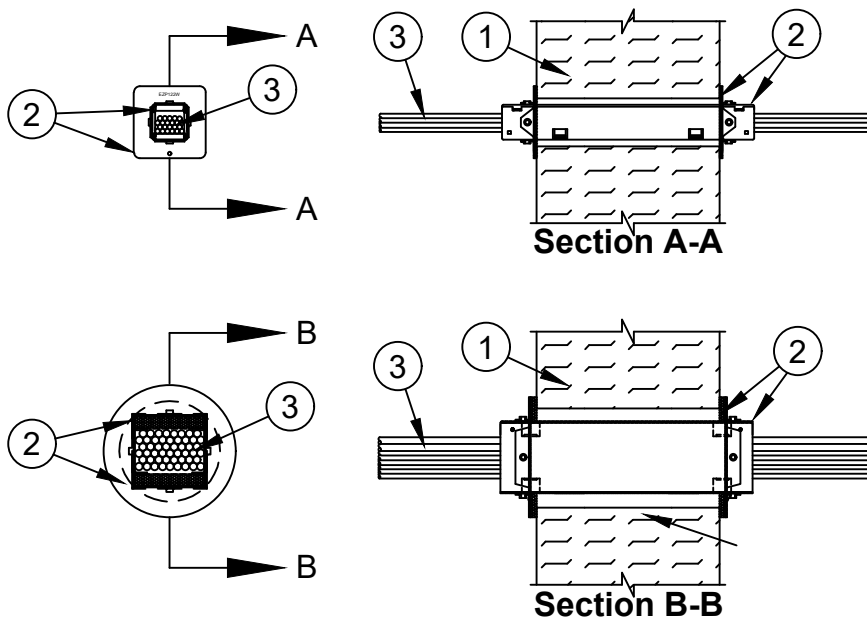
- 1. Wall Assembly** - The 1 or 2 hr fire rated composite wall assembly shall be constructed of nom 4 in. (102 mm) or 7 in. (178 mm) thick, respectively, galvanized steel or painted galvanized steel faced Partition Panel Units* (CJMR) installed in the manner specified in Wall and Partition Design No. U050 in UL's Product iQ Directory. Opening shall be as specified in the individual configuration.

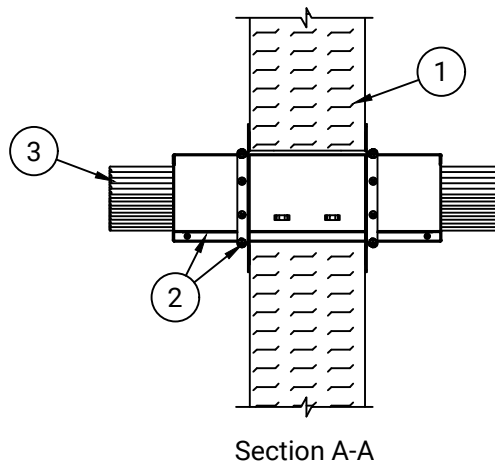
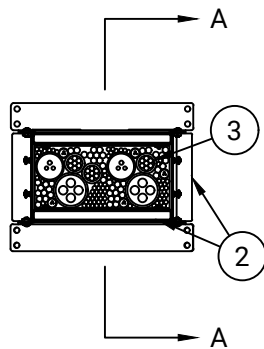
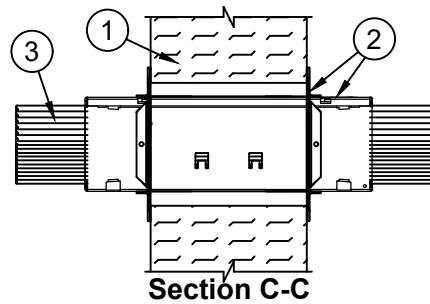
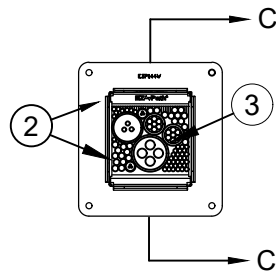
The F and FH Ratings of the firestop system are equal to the hourly rating of the wall assembly in which it is installed. The T, FT, and FTH Ratings are as specified in the individual configuration.

MBCI - Eco-Ficient Partition Units

METL-SPAN, A DIVISION OF NCI GROUP, INC. - ThermalSafe Partition Units

CONFIGURATION A





2. **Firestop Device*** - Series 22 EZ Path device modules consist of a 1.4 by 1.4 by 10-1/2 in. (36 by 36 by 267 mm) long galv steel tube with an intumescent material lining. Series 33 EZ Path device modules consist of a 3 by 3 by 10-1/2 in. (76 by 76 by 267 mm) long galv steel tube with an intumescent material lining. Series 44+ EZ Path device modules consist of a 4 by 4-5/8 by 14 in. (102 by 118 by 356 mm) long galv steel tube with an intumescent material lining. Series 84 EZ Path device modules consist of a 7-1/4 in. by 4-5/8 in. by 14 in. (184 by 118 by 356 mm) long galv steel tube with an intumescent material lining. Firestop device modules to be installed in accordance with the accompanying installation instructions. Firestop device modules secured in place by means of steel wall plates installed with gasketing material supplied with product. Steel wall plates installed on both sides of wall and secured to each device by means of steel screws provided with device. Firestop device module is to be installed with ends projecting an equal distance beyond each surface of the wall assembly. The annular space between the device and opening shall be min 0 in. (point contact) to max 1/8 in. (3 mm) for Series 22 device, max 1/2 in. (13 mm) for Series 33 device and max 1/4 in. (6 mm) for Series 44 device. The opening size and L Ratings for each device vary according to whether device module is blank (no cables) or loaded (with cables) and which cable type and size is used, as tabulated below:

Device	Max Cable Fill	Cable Type	L-Rating (CFM)		Opening Size - Diam or Dimensions, in. (mm)
			Ambient	400 °F	
Series 22	0%	-	1.4	1.4	2 (51) or 1-3/4 x 1-3/4 (44 x 44)
Series 22	1-25%	3A	Less Than 1	Less Than 1	2 (51) or 1-3/4 x 1-3/4 (44 x 44)
Series 22	26-50%	3A	Less Than 1	Less Than 1	2 (51) or 1-3/4 x 1-3/4 (44 x 44)
Series 22	51%-75%	3A	Less Than 1	Less Than 1	2 (51) or 1-3/4 x 1-3/4 (44 x 44)
Series 22	76-100%	3A	Less Than 1	Less Than 1	2 (51) or 1-3/4 x 1-3/4 (44 x 44)
Series 22	100%	3F	Less Than 1	Less Than 1	2 (51) or 1-3/4 x 1-3/4 (44 x 44)
Series 33	0%	-	Less Than 1	Less Than 1	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 33	100%	3A	4	3	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 33	100%	3F	1.3	Less Than 1	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 33	100%	3G, 3H	7	2	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 33	100%	3I	1.8	1.8	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 44+	0%	-	Less Than 1	Less Than 1	6 (152) or 4-1/8 x 4-3/4 (120 x 120)
Series 44+	1-25%	3A-3I	1.5	1.5	6 (152) or 4-1/8 x 4-3/4 (120 x 120)
Series 44+	26-50%	3A-3I	2.3	2.3	6 (152) or 4-1/8 x 4-3/4 (120 x 120)
Series 44+	51-75%	3A-3I	2.3	2.3	6 (152) or 4-1/8 x 4-3/4 (120 x 120)
Series 44+	76%-100%	3A-3I	2.3	2.3	6 (152) or 4-1/8 x 4-3/4 (120 x 120)
Series 84+	0%	-	1.2	1.2	4-3/4 in. by 7-1/2 in. (121 by 191mm)
Series 84+	1-25%	3A-3I	7.7	7.7	4-3/4 in. by 7-1/2 in. (121 by 191mm)
Series 84+	26-50%	3A-3I	8.8	8.8	4-3/4 in. by 7-1/2 in. (121 by 191mm)
Series 84+	51-75%	3A-3I	8.8	8.8	4-3/4 in. by 7-1/2 in. (121 by 191mm)
Series 84+	100%	3A-3I	5.5	5.5	4-3/4 in. by 7-1/2 in. (121 by 191mm)

SPECIFIED TECHNOLOGIES INC - EZ PATH Series 22, 33, 44+ or 84+ Fire Rated Pathway

2A. Firestop Device* - Extension Module - (Optional, Not Shown) - Module attached to ends of Series 33, Series 44+ firestop device (Item 2) to increase its length to facilitate installation in thicker walls. Each module consists of a galv steel tube with an intumescent material lining. Extension module to be installed in accordance with the accompanying installation instructions. When module is used, firestop device (Item 2) and extension module(s) secured in place by means of steel wall plates installed with gasketing material supplied with product. Steel wall plates installed on both sides of wall and secured to each device or extension module(s) by means of steel set screws provided with wall plates. Firestop device and extension module(s) assembly to be installed with ends projecting an equal distance beyond each surface of the wall assembly.

SPECIFIED TECHNOLOGIES INC - EZ PATH Series 33 or Series 44+ Extension

3. **Cables** - Cables may represent a 0 to max 100 percent visual fill within the loading area for the firestop device module. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types of cables may be used:
- A. Max 400 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) or plenum-rated jacketing and insulation.
 - B. Max 750 kcmil single copper conductor power cable with XLPE jacket and insulation
 - C. Max 7/C No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.
 - D. Max 3/C No. 2/0 AWG metal clad or armored cable with steel or aluminum jacket.
 - E. Max 3/C No. 8 AWG NM cable (Romex) with PVC insulation and jacket.
 - F. Max four pair No. 22 AWG (or smaller) copper conductor data cable with PVC or plenum rated jacketing and insulation.
 - G. Coaxial cable with fluorinated ethylene or PVC insulation and jacketing having a max diam of 5/8 in. (16 mm).
 - H. Optical fiber cable with PVC or polyethylene (PE) jacket and insulation and having a max diam of 5/8 in. (16 mm).
 - I. Max RG6/U coaxial cable with fluorinated ethylene, polyethylene (PE), PVC or plenum rated jacketing and insulation.

When Series 22 EZ Path device modules are used and when the hourly rating of the wall assembly is 1 hr, the T, FT and FTH Ratings are 3/4 hr except that for Items 3F, 3G and 3H, the T, FT and FTH Ratings are 1 hr. When the hourly fire rating of the wall assembly is 2 hr or greater, the T, FT and FTH Ratings are 3/4 hr when cables are installed.

When no cables are installed within the device module, the T, FT and FTH Ratings are 1 hr in 1 hr walls and 1-1/2 hr for 2 hr walls. When Item 3A, 3B, 3C, 3D or 3E is used, the maximum F and FH Ratings are 2 hr.

When Series 33 EZ Path device modules are used and when the hourly rating of the wall assembly is 1 hr, the T, FT and FTH Ratings are 3/4 hr. When the hourly fire rating of the wall assembly is greater than 1 hr, the T, FT and FTH Ratings are 3/4 hr when Item 3A, 3B, 3C, 3D or 3E is used. Otherwise the T, FT and FTH Ratings are 1 hr. When Item 3A, 3B, 3C, 3D or 3E is used, the maximum F and FH Ratings are 2 hr.

When Series 44 + EZ Path device modules are used and when Item 3A, 3B, 3C, 3D or 3E is used, the max F and FH Ratings are 2 hr and the T, FT and FTH Ratings are 1 hr. When Item 3F or 3G is used, the max F and FH Ratings are 2 hr and the T, FT and FTH Ratings are 1-1/2 hr. When device empty, the T, FT and FTH Ratings are 1-1/2 Hr.

When Series 84+ EZ Path device modules are used with Item 3A or 3C through 3G, the T, FT and FTH Ratings are 1 Hr. When Item 3B is used, the T, FT and FTH Ratings are 1/2 Hr.

CONFIGURATION B

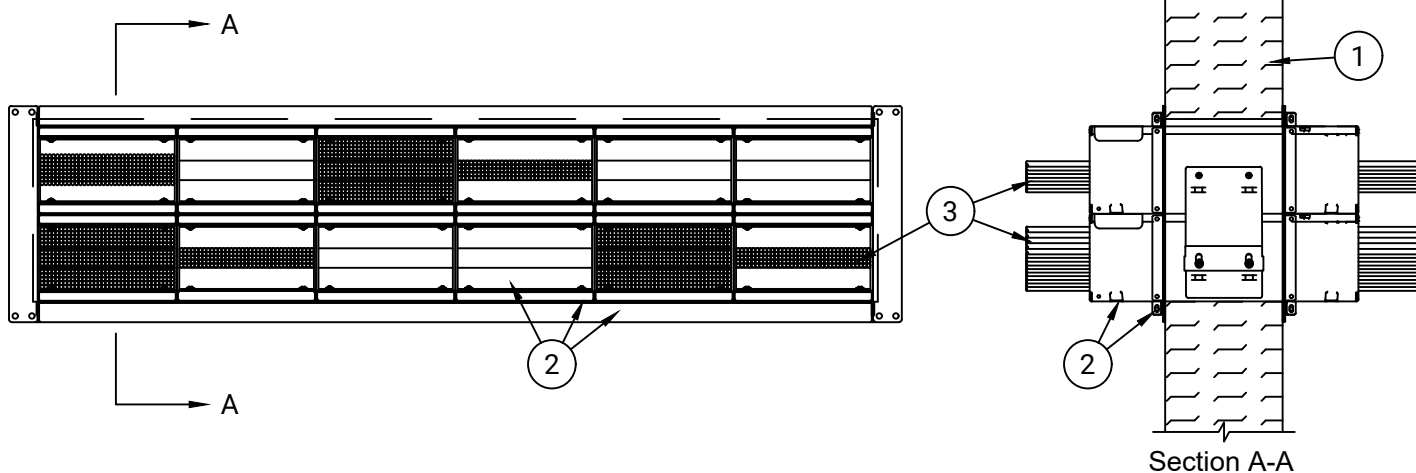


Table 1:

Bracket Item No.	No of Pathways		Max Opening Height"	Max Opening Length"	No. of Rows
	Series 84+	Series 44+			
EZP284W	1	1	4-3/4 in. (120.7mm)	11.75 in. (298mm)	1
EZP284W	2	-	4-3/4 in. (120.7mm)	15 in. (381mm)	1
EZP484W	2	1	4-3/4 in. (120.7mm)	19 in. (483mm)	1
EZP484W	3	-	4-3/4 in. (120.7mm)	22.25 in. (565mm)	1
EZP484W	3	1	4-3/4 in. (120.7mm)	26.25 in. (667mm)	1
EZP484W	4	-	4-3/4 in. (120.7mm)	29.5 in. (749mm)	1
EZP684W	4	1	4-3/4 in. (120.7mm)	33.5 in. (851mm)	1
EZP684W	5	-	4-3/4 in. (120.7mm)	36.25 in. (933mm)	1
EZP684W	5	1	4-3/4 in. (120.7mm)	40.25 in. (103.5cm)	1
EZP684W	6	-	4-3/4 in. (120.7mm)	43.5 in. (111.8cm)	1
EZP284WD	1	1	9.5 in. (241mm)	11.75 in. (298mm)	2
EZP284WD	2	-	9.5 in. (241mm)	15 in. (381mm)	2
EZP484WD	2	1	9.5 in. (241mm)	19 in. (483mm)	2
EZP484WD	3	-	9.5 in. (241mm)	22.25 in. (565mm)	2
EZP484WD	3	1	9.5 in. (241mm)	26.25 in. (667mm)	2
EZP484WD	4	-	9.5 in. (241mm)	29.5 in. (749mm)	2
EZP684WD	4	1	9.5 in. (241mm)	33.5 in. (851mm)	2
EZP684WD	5	-	9.5 in. (241mm)	36.25 in. (933mm)	2
EZP684WD	5	1	9.5 in. (241mm)	40.25 in. (103.5cm)	2
EZP684WD	6	-	9.5 in. (241mm)	43.5 in. (111.8cm)	2

2. **Firestop Device*** - Firestop device modules ganged together and secured by means of integral hook and eye window attachment. Each firestop device module consists of a 4 in. by 4-5/8 in. by 14 in. (EZ Path Series 44+, 102 mm by 118 mm by 356 mm) or 7-1/4 in. by 4-5/8 in. by 14 in. (EZ Path Series 84+, 184 mm by 118 mm by 356 mm) long galv steel tube with an intumescent material lining. Firestop device module(s) to be installed in accordance with the accompanying installation instructions. The space between the firestop devices and the periphery of the opening shall be min 0 in. (0 mm, point contact) to max 1/4 in. (6.4 mm). Firestop device module(s) secured in place by means of steel wall brackets installed with gasket material supplied with the product. Steel wall brackets are installed on both sides of the wall and secured to outermost device modules by means of steel set screws provided with brackets. Wall brackets secured to each side of wall through predrilled holes in brackets by means of min No. 12 sheet metal screws. Each firestop device module to be installed with the ends projecting an equal distance beyond each surface of the wall assembly. The L Ratings vary according to whether the device module is blank (no cables) or loaded (with cables) and which cable type and size is used, as tabulated below:

Table 2:

Max Cable Fill	Cable Type	Series 84+		Series 44+	
		L-Rating CFM/Device Module (L/s/Device Module)		L-Rating CFM/Device Module (L/s/Device Module)	
		Ambient	400° F (204 °C)	Ambient	400° F (204 °C)
0%	-	1.2 (0.57)	1.2 (0.57)	Less Than 1 (0.47)	Less Than 1 (0.47)
1-25%	3A - 3G	7.7 (3.6)	7.7 (3.6)	1.5 (0.71)	1.5 (0.71)
26-50%	3A - 3G	8.5 (4.0)	8.5 (4.0)	2.3 (1.1)	2.3 (1.1)
51-75%	3A - 3G	8.8 (4.2)	8.8 (4.2)	2.3 (1.1)	2.3 (1.1)
100%	3A - 3G	5.5 (2.6)	5.5 (2.6)	2.3 (1.1)	2.3 (1.1)

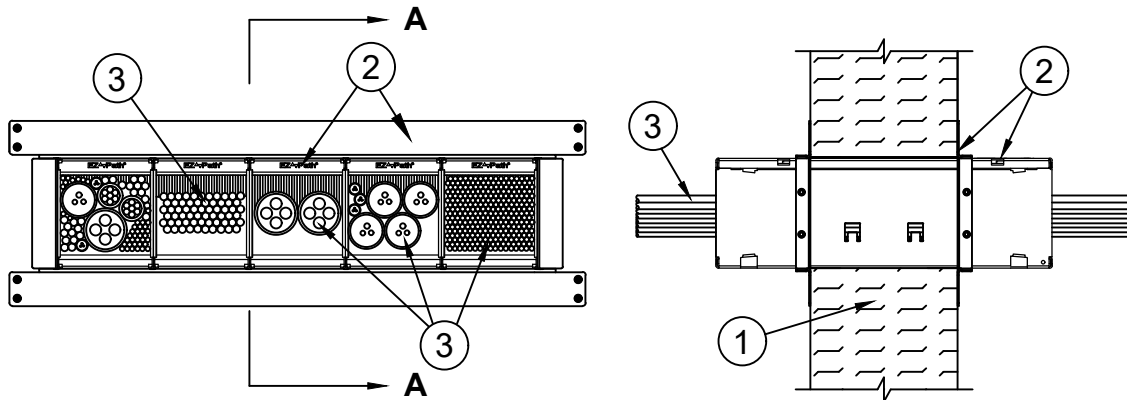
SPECIFIED TECHNOLOGIES INC. - EZ PATH Series 44+ or 84+ Fire Rated Pathway (EZD44S2 or EZD84S2)

3. **Cables** - Cables may represent a 0 to 100 percent visual fill within the loading area for each firestop device module. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types of cables may be used:
- A. Max 100 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) or plenum-rated jacketing and insulation.
 - B. Max 1/C - 500 kcmil cable with polyvinyl chloride (PVC) or cross-linked polyethylene (XLPE) insulation and jacket.
 - C. Max 7/C No. 12 AWG copper conductor control or alarm cable with PVC or XLPE jacket and insulation or plenum-rated jacketing and insulation.
 - D. Max 3/C No. 2/0 AWG metal clad or armored cable with steel or aluminum jacket.
 - E. Max four pair No. 22 AWG (or smaller) copper conductor Cat 5, Cat 5E, Cat 6, Cat 6A or Cat 7 data cable with PVC or plenum rated jacketing and insulation.

- F. Coaxial cable with fluorinated ethylene or PVC insulation and jacketing or plenum rated jacketing and insulation and having a max diam of 5/8 in. (16 mm).
- G. Optical fiber cable with PVC or polyethylene (PE) jacket and insulation or plenum rated jacketing and insulation and having a max diam of 5/8 in. (16 mm).

When Item 3A or 3C through 3G are used, the T, FT and FTH Ratings are 3/4 Hr. When Item 3B is used, the T, FT and FTH Ratings are 1/2 Hr.

CONFIGURATION C



2. **Firestop Device*** - One or two banks each consisting of six firestop device modules ganged together and secured by means of integral hook and eye window attachment. Each firestop device module consists of a 4 by 4-5/8 by 14 in. (102 by 118 by 356 mm) long galv steel tube with an intumescent material lining. Firestop device modules to be installed in accordance with the accompanying installation instructions. The space between the firestop device module(s) and the periphery of the opening shall be min 0 in. (0 mm, point contact) to max 1/8 in. (3.2 mm). Firestop device module(s) secured in place by means of steel wall brackets installed with gasket material supplied with product. Steel wall brackets installed on both sides of wall and secured to outermost device modules by means of steel set screws provided with brackets. Wall brackets secured to each side of wall through predrilled holes in brackets by means of nom 1/8 in. (3.2 mm) Type G steel screws. Each firestop device module is to be installed with ends projecting an equal distance beyond each surface of the wall assembly. The L Ratings vary according to whether the device module is blank (no cables) or loaded (with cables) and which cable type and size is used, as tabulated below:

Max Visual Cable Fill	Cable Type	L-Rating (CFM/Device Module (L/s/Device Module))	
		Ambient	400 °F (204 °C)
0%	-	Less Than 1 (0.47)	Less Than 1 (0.47)
1-25%	3A-3I	1.5 (0.71)	1.5 (0.71)
26-50%	3A-3I	2.3 (1.1)	2.3 (1.1)
51-75%	3A-3I	2.3 (1.1)	2.3 (1.1)
76%-100%	3A-3I	2.3 (1.1)	2.3 (1.1)

SPECIFIED TECHNOLOGIES INC - EZ PATH Series 44+ Fire Rated Pathway

3. **Cables** - Cables may represent a 0 to max 100 percent visual fill within the loading area for each firestop device module. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types of cables may be used:

- A. Max 400 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) or plenum-rated jacketing and insulation.
- B. Max 750 kcmil single copper conductor power cable with XLPE jacket and insulation.
- C. Max 7/C No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.
- D. Max 3/C No. 2/0 AWG metal clad or armored cable with steel or aluminum jacket.
- E. Max 3/C No. 8 AWG NM cable (Romex) with PVC insulation and jacket.
- F. Max four pair No. 22 AWG (or smaller) copper conductor data cable with PVC or plenum rated jacketing and insulation.
- G. Coaxial cable with fluorinated ethylene or PVC insulation and jacketing having a max diam of 5/8 in. (16 mm).
- H. Optical fiber cable with PVC or polyethylene (PE) jacket and insulation and having a max diam of 5/8 in. (16 mm).
- I. Max RG6/U coaxial cable with fluorinated ethylene, polyethylene (PE), PVC or plenum rated jacketing and insulation.

+Bearing the UL Listing Mark

* **Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**