

### 12x4 FiberRunner® System Spillouts

- Spill-overs allow safe transition from horizontal to vertical runs
- 2" (50.8mm) bend radius control
- Transition to channel, slotted channel, and corrugated loom tubing
- Spill-over junction fittings can be retro-fitted to existing horizontal runs



FRVT12X4



FRTR6X4



FRIDT6X4



FRHD4KT



TRC4HDBL



FRLPR64BL



FRSPJ2X2



FRSPJC212

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
<b>12x4 Vertical Tee</b>				
FRVT12X4YL	Attaches to 12x4 channel and/or fittings to create a 90° vertical drop from a horizontal run. Hinged door included. Requires coupler to attach FRTR6X4YL or FRIDT6X4YL to vertical exit. Accepts optional snap-on cover FRHC12YL6 in conjunction with channel.	(2 pcs.) FRBC12X4YL (1 pc.) FRBC6X4YL	1	—
<b>3-Sided BRC Trumpet Spillout for 6x4 Exit</b>				
FRTR6X4YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from 6x4 channel, 6x4 horizontal tee fitting, or 6x4 exit on 12x4 vertical tee.	(1 pc.) FRBC6X4YL	1	5
<b>3-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing</b>				
FRIDT6X4YL	Used to route cable into three separate pieces of 1.5" (38mm) diameter split corrugated tubing. Used with FRVT12X4YL or any 6x4 fitting. Securely holds corrugated split tubing to ensure system integrity and easy access to add or remove cables.	(1 pc.) FRBC6X4YL	1	5
<b>4x4 Hinged Duct Vertical Cable Manager Kit</b>				
FRHD4KTYL	Provides secure, accessible route for cables spilling out from vertical tee to rack mounted equipment. Kit includes 6' length of 4x4 capacity hinged duct, 6' length of 4x4 hinged duct cover, one end cap for 4x4 hinged duct, three FZBA1.5X4 adjustable "Z" brackets, an adapter fitting, six WR4-C wire retainers and all required mounting hardware. Attaches directly to 6x4 and 4x4 vertical tee exit or FRLPR64 low profile reducer.	—	1	—
<b>4x4 Hinged Duct Bend Radius Control Trumpet</b>				
TRC4HDBL	Bend radius control trumpet for exiting at the sidewall of 4" wall heights of type H hinged cover wiring duct channels. Maintains 1" (25.4mm) bend radius control. Black color only.	—	1	10
<b>Low Profile Reducer 6x4 to 4x4 for Vertical Tee</b>				
FRLPR64BL	Assembled into the 12x4 vertical tee FRVT12X4YL. The FRLPR64BL allows for the transition to 4x4 Fiber-Duct™ Channel with minimal space required. No tools required for assembly. Black color only.	—	1	5
<b>Spill-Over Junction with 2x2 Exit</b>				
FRSPJ2X2YL	Assembles onto 4x4, 6x4, 12x4, or 24x4 FiberRunner® Channel, spilling over the side into a 2x2 vertical exit. Requires coupler to attach 2x2 FiberRunner® and fittings to the vertical exit. Mounts directly to existing installation with no alteration required. Mounting hardware provided for secure attachment.	(1 pc.) FBC2X2YL	1	—
<b>Cover for Spill-Over Junction with 2x2 Exit for 12x4 Channel</b>				
FRSPJC212YL	Used to fully enclose 12x4 channel in conjunction with the spill-over junction FRSPJ2X2YL. Cover snaps onto the channel base. Hinged feature allows easy access to add or remove cables.	—	1	5

For other colors replace suffix YL (Yellow) with OR (Orange) or BL (Black).

Table continues on next page

**12x4 FiberRunner<sup>®</sup> System Spillouts (continued)****FTR2X2****FIDT2X2****FRHD2KT****TRC2HDBL****FRSPJ4X4****FRSPJC412**

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
<b>3-Sided BRC Trumpet Spillout for 2x2 Exit</b>				
<b>FTR2X2YL</b>	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from a spill-over junction with a 2x2 exit or from 2x2 Fiber-Duct <sup>™</sup> Channel. Securely holds split corrugated tubing to ensure system integrity and easy access to add or remove cables.	(1 pc.) FBC2X2YL	1	5
<b>1-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing</b>				
<b>FIDT2X2YL</b>	Used to route cable into one piece of 1.5" (38mm) diameter split corrugated tubing. Used with a spill-over junction with a 2x2 exit, 2x2 Fiber-Duct <sup>™</sup> Fittings, and the 2x2 FiberRunner <sup>®</sup> Hinged Channel. Securely holds split corrugated tubing to ensure system integrity and easy access to add or remove cables.	(1 pc.) FBC2X2YL	1	5
<b>2x2 Hinged Duct Vertical Cable Manager Kit</b>				
<b>FRHD2KTYL</b>	Provides secure, accessible route for cables spilling out from a vertical tee or spill-over junction to rack mounted equipment. Kit includes 6' length of 2x2 FiberRunner <sup>®</sup> Hinged Channel H2X2YL6, 6' length of 2x2 snap-on hinged cover HC2YL6, four adjustable "Z" brackets FZBA1.5X4, one FiberRunner <sup>®</sup> 2x2 End Cap FHDEC2X2YL, six hinged duct 2" wire retainers WR2H-C and all required mounting hardware. Attaches to 2x2 vertical tee exit or spill-over junction with a 2x2 exit with a 2x2 QuikLock <sup>™</sup> Coupler FBC2X2YL. Also attaches directly to 4x4 or 6x4 vertical tee exits with low profile reducer FRLPR42BL.	—	1	—
<b>2x2 FiberRunner<sup>®</sup> Bend Radius Control Trumpet</b>				
<b>TRC2HDBL</b>	Bend radius control trumpet for exiting at the sidewall of 2" wall heights of type H hinged cover wiring duct channels. Maintains 1" (25.4mm) bend radius control. Black color only.	—	1	10
<b>Spill-Over Junction with 4x4 Exit</b>				
<b>FRSPJ4X4YL</b>	Assembles onto 4x4, 6x4, 12x4, or 24x4 FiberRunner <sup>®</sup> Channel, spilling over the side into a 4x4 vertical exit. Requires coupler to attach 4x4 FiberRunner <sup>®</sup> Channel and fittings to the vertical exit. Mounts directly to existing installation with no alteration required. Mounting hardware provided for secure attachment.	(1 pc.) FRBC4X4YL	1	—
<b>Cover for Spill-Over Junction with 4x4 Exit for 12x4 Channel</b>				
<b>FRSPJC412YL</b>	Used to fully enclose 12x4 channel in conjunction with the spill-over junction FRSPJ4X4YL. Cover snaps onto the channel base. Hinged feature allows easy access to add or remove cables.	—	1	5

For other colors replace suffix YL (Yellow) with OR (Orange) or BL (Black).

### 12x4 FiberRunner® System Spillouts (continued)



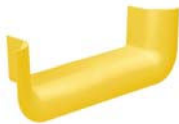
FRTR4X4



FRIDT4X4



FR1.5IDE



FRTR12X4

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
<b>3-Sided BRC Trumpet Spillout for 4x4 FiberRunner® Exit</b>				
FRTR4X4YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from 4x4 FiberRunner® Channel or a 4x4 FiberRunner® Horizontal Tee.	(1 pc.) FRBC4X4YL	1	5
<b>2-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing</b>				
FRIDT4X4YL	Used to route cable into one or two pieces of 1.5" (38mm) diameter split corrugated tubing. Requires coupler to be used with 4x4 FiberRunner® Fitting. Used with any 4x4 FiberRunner® Fitting. Securely holds corrugated split tubing to ensure system integrity and easy access to add or remove cables.	(1 pc.) FRBC4X4YL	1	5
<b>1-Port Spillout Side Exit to 1.5" (38mm) Inside Diameter Corrugated Tubing</b>				
FR1.5IDEYL	Used to route cable into 1.5" (38mm) diameter split corrugated tubing directly through a hole cut in the side wall of the 4x4, 6x4, and 12x4 FiberRunner® Channel or 4x4 Fiber-Duct™ Channel. Provides 1" (25.4mm) bend radius control at the exit. Securely holds split corrugated tubing to ensure system integrity and easy access to add or remove cables. Includes drilling template.	—	1	5
<b>3-Sided BRC Trumpet Spillout for 12x4 Exit</b>				
FRTR12X4YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from the 12x4 channel or a 12x4 horizontal tee.	(1 pc.) FRBC12X4YL	1	5

For other colors replace suffix YL (Yellow) with OR (Orange) or BL (Black).

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