

4x4 FiberRunner® QuikLock™ Coupler

- Pre-assembled to provide fast mechanical assembly of components
- No tools required for installation; bolts loosen for component disassembly



| Part Number | Part Description | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-------------|---|----------------|----------------|
| FRBC4X4YL | Pre-assembled coupler quickly joins two sections of channel and/or fittings. Mechanically attaches without tightening bolts. Bolts release using 3/8" nut driver to allow coupler to be removed if necessary. | 1 | 5 |

For a bulk package of 20 couplers, order FRBC4X4YL-E.
For other colors replace suffix YL (Yellow) with OR (Orange) or BL (Black).

4x4 FiberRunner® System Fittings

- Minimum 2" (50.8mm) bend radius control fittings
- Protects against signal loss and performance degradation
- Assemble using FRBC QuikLock™ Couplers
- Optional split covers snap onto each fitting
- Covers feature 3/4" (19mm) gap to allow cable to be laid in



FRRA4X4



FRRASC4



FRH454X4



FRH45SC4

| Part Number | Part Description | Couplers Required | Std. Pkg. Qty. | Std. Ctn. Qty. |
|---|---|-----------------------|----------------|----------------|
| 4x4 Horizontal Right Angle Fitting | | | | |
| FRRA4X4YL | Attaches to 4x4 channel and/or fitting to create a 90° horizontal turn from a straight horizontal run. Accepts optional split cover FRRASC4YL. | (2 pcs.) FRBC4X4YL | 1 | 5 |
| Split Cover for 4x4 Horizontal Right Angle Fitting | | | | |
| FRRASC4YL | Optional split cover for the horizontal right angle fitting FRRA4X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables. | — | 1 | 5 |
| 4x4 Horizontal 45° Angle Fitting | | | | |
| FRH454X4YL | Attaches to 4x4 channel and/or fittings to create a 45° horizontal turn from a straight horizontal run. Accepts optional split cover FRH45SC4YL. | (2 pcs.) FRBC4X4YL | 1 | 5 |
| Split Cover for 4x4 Horizontal 45° Angle Fitting | | | | |
| FRH45SC4YL | Optional split cover for the horizontal 45° angle fitting FRH454X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables. | — | 1 | 5 |

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

Table continued on next page

4x4 FiberRunner[®] System Fittings (continued)**FRT4X4****FRTSC4****FRFWC4X4****FRFWCSC4****FREC4X4****FRIVRA4X4****FRIV454X4****FROV454X4**

| Part Number | Part Description | Couplers Required | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-------------|------------------|-------------------|----------------|----------------|
|-------------|------------------|-------------------|----------------|----------------|

4x4 Horizontal Tee Fitting

| | | | | |
|-----------------|---|-----------------------|---|---|
| FRT4X4YL | Attaches to 4x4 channel and/or fittings to create a 90° horizontal branch from straight horizontal runs. Accepts optional split cover FRTSC4YL. | (3 pcs.) FRBC4X4YL | 1 | 5 |
|-----------------|---|-----------------------|---|---|

Split Cover for 4x4 Horizontal Tee Fitting

| | | | | |
|-----------------|--|---|---|---|
| FRTSC4YL | Optional split cover for the horizontal tee fitting FRT4X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables. | — | 1 | 5 |
|-----------------|--|---|---|---|

4x4 Four Way Cross Fitting

| | | | | |
|-------------------|--|-----------------------|---|---|
| FRFWC4X4YL | Attaches to 4x4 channel and/or fittings to create a horizontal four way cross intersection. Accepts optional split cover FRFWCSC4YL. | (4 pcs.) FRBC4X4YL | 1 | 5 |
|-------------------|--|-----------------------|---|---|

Split Cover for 4x4 Four Way Cross Fitting

| | | | | |
|-------------------|--|---|---|---|
| FRFWCSC4YL | Optional split cover for the four way cross fitting FRFWC4X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables. | — | 1 | 5 |
|-------------------|--|---|---|---|

4x4 End Cap Fitting

| | | | | |
|------------------|---|---|---|---|
| FREC4X4YL | Used for closing off open ends of the channel or fittings. No coupler required. Push-on installation. | — | 1 | 5 |
|------------------|---|---|---|---|

4x4 Inside Vertical 90° Angle Fitting

| | | | | |
|--------------------|---|-----------------------|---|---|
| FRIVRA4X4YL | Attaches to 4x4 channel and/or fittings to create a 90° upward angle from a straight horizontal run. Used with outside vertical 90° angle fitting FROVRA4X4YL to change level of a straight horizontal run. Includes split cover. | (2 pcs.) FRBC4X4YL | 1 | 5 |
|--------------------|---|-----------------------|---|---|

4x4 Inside Vertical 45° Angle Fitting

| | | | | |
|--------------------|--|-----------------------|---|---|
| FRIV454X4YL | Attaches to 4x4 channel and/or fittings to create a 45° upward angle from a horizontal run. Used with outside vertical 45° angle fitting FROV454X4YL to change level of a straight horizontal run. Includes split cover. | (2 pcs.) FRBC4X4YL | 1 | 5 |
|--------------------|--|-----------------------|---|---|

4x4 Outside Vertical 45° Angle Fitting

| | | | | |
|--------------------|---|-----------------------|---|---|
| FROV454X4YL | Attaches to 4x4 channel and/or fittings to create a 45° downward angle from a horizontal run. Used with inside vertical 45° angle fitting FRIV454X4YL to change level of a straight horizontal run. Accepts optional split cover FROV45SC4YL. | (2 pcs.) FRBC4X4YL | 1 | 5 |
|--------------------|---|-----------------------|---|---|

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

4x4 FiberRunner® System Fittings (continued)



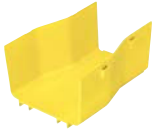
FROV45SC4



FROVRA4X4



FROVRASC4



FRRF6FR4



FRRF6FR4SC



FRRF4FD2



FRRF4FD4

| Part Number | Part Description | Couplers Required | Std. Pkg. Qty. | Std. Ctn. Qty. |
|---|---|--|----------------|----------------|
| Split Cover for 4x4 Outside Vertical 45° Angle Fitting | | | | |
| FROV45SC4YL | Optional split cover for the outside vertical 45° angle fitting FROV454X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables. | — | 1 | 5 |
| 4x4 Outside Vertical Right Angle Fitting | | | | |
| FROVRA4X4YL | Attaches to 4x4 channel and/or fittings to create a 90° vertical turn down from a straight horizontal run. Accepts optional split cover FROVRASC4YL. | (2 pcs.) FRBC4X4YL | 1 | 5 |
| Split Cover for 4x4 Outside Vertical Right Angle Fitting | | | | |
| FROVRASC4YL | Optional split cover for the outside vertical right angle fitting FROVRA4X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables. | — | 1 | 5 |
| 6x4 to 4x4 FiberRunner® Reducer Fitting | | | | |
| FRRF6FR4YL | Attaches any 6x4 FiberRunner® Fitting or Channel to any 4x4 FiberRunner® Fitting or Channel. Accepts split cover FRRF6FR4SCYL. | (1 pc.) FRBC6X4YL (1 pc.) FRBC4X4YL | 1 | 5 |
| Split Cover for 6x4 to 4x4 FiberRunner® Reducer Fitting | | | | |
| FRRF6FR4SCYL | Optional split cover for the 6x4 FiberRunner® to 4x4 FiberRunner® Reducer Fitting FRRF6FR4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables. | — | 1 | 5 |
| 4x4 FiberRunner® to 2x2 Reducer Fitting with Cover | | | | |
| FRRF4FD2YL | Attaches any 4x4 FiberRunner® Fitting or Channel to the 2x2 Fiber-Duct™ Channel, S2X2YL6 or E2X2YL6 or 2x2 FiberRunner® Channel, HS2X2YL6 or H2X2YL6. Note: Attachment to 2x2 FiberRunner® Channel requires a QuikLock™ Coupler FBC2X2YL. Includes solid cover. | (1 pc.) FRBC4X4YL | 1 | 5 |
| 4x4 FiberRunner® to 4x4 Fiber-Duct™ Reducer Fitting with Cover | | | | |
| FRRF4FD4YL | Attaches any 4x4 FiberRunner® Fitting or Channel to the 4x4 Fiber-Duct™ Channel, S4X4YL6 or E4X4YL6. Includes solid cover. | (1 pc.) FRBC4X4YL | 1 | 5 |

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

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