

Trunk and Distribution Specifications

Coaxial Connector

A coaxial connector should provide a connection between two lines of the same characteristic impedance, that is as uniform, reliable and reflection-free as possible. It should be simple to connect and disconnect, possess good electrical transmission characteristics and offer a high degree of insensitivity to electromagnetic interference. The characteristic impedance of the connector should be well matched to the characteristic impedance of the various cables.

The GRS and G2 Trunk & Distribution connectors are manufactured within ISO 9001 certified facilities providing an assurance of quality interconnects and proper installation. Our coaxial connectors are the preferred connection from installers to field technicians, providing higher levels of productivity and greater field acceptance.

Choosing the Right Connector

You need to know the cable manufacturer, the generation of cable (PI, PII, PIII, etc.) or type, cable size and the type of connector desired e.g. (pin, splice, extension, "F" female/male, terminator, etc). Once you have this information, refer to the specific product section to obtain the catalog part number. If you have questions, do not hesitate to contact our Technical Care Team.

Connector Features

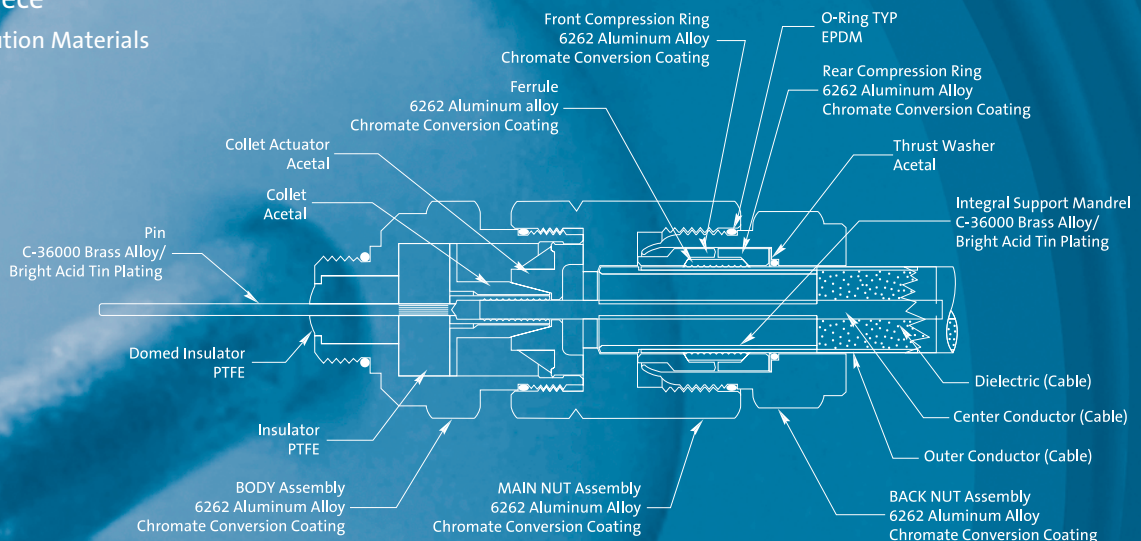
- 6262 Aluminum alloy used for maximum corrosion resistance.
- Chromate conversion finish to reduce corrosion.
- EPDM (Ethylene and Propylene) military spec O-rings.
- Factory lubricated requiring no additional lubricants during installation.
- Visible entry of center conductor into seizing mechanism (no blind entry).
- Standard length pin on all pin type connectors.
- Center conductor cutting guide incorporated into connector to aid in proper cable preparation.
- Part number permanently marked on connectors for easy identification.

Specifications

- Connectors are designed to meet SCTE interface specifications
- Bandwidth: DC to 1 GHz
- Nominal Impedance: 75 ohms
- Shielding Effectiveness: > 140dB
- Return Loss: 30 dB to 1 GHz on pin types, splices and most adapters
- Insertion Loss: <0.15 dB (pin types)
- Operating Range: -40° to +140°F
- Connector pull strength exceeds acceptable industry cable pulling tension standards and vary by cable size

GRS Series 3-piece

Trunk and Distribution Materials

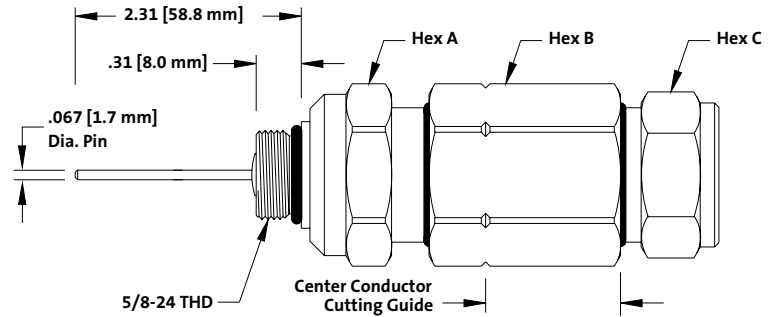


GRS Series 3-Piece Trunk and Distribution Connectors

GRS series 3-piece trunk and distribution connectors are used in low power RF, video, data signals and powered broadband systems. Chassis mounting connectors are used in 5/8-24 equipment entry.

- Independent seizing of the center conductor permits installers to physically verify the center conductor has been seized prior to tightening the back nut
- Placement of the integral mandrel of the connector in the main nut provides a full view of the center conductor's entrance into the seizing mechanism and requires minimal pull back for ease of installation
- Domed insulator at the KS interface prevents moisture from collecting between the contact pin and connector body, reducing the possibility of corrosion
- The GRS connectors have a center conductor cutting guide
- Reusable

GRS Pin Type Connectors



CommScope® P-3® Times Fiber® T-10

Cable Series	Part Number	Center Conductor	Outer Conductor	Body Hex (A)	Main Nut Hex (B)	Back Nut Hex (C)
.412	GRS-412-CH-DU-01-T	.092	.412	15/16	1	15/16
.500	GRS-500-CH-DU-03-T	.109	.500	1-1/8	1-1/8	1
.625	GRS-625-CH-DU-02-T	.137	.625	1-1/4	1-1/4	1-1/8
.750	GRS-750-CH-DU-01-T	.167	.750	1-3/8	1-3/8	1-1/4
.875	GRS-875-CH-DU-02-T	.194	.875	1-3/8	1-3/8	1-3/8
1.000	GRS-1000-CH-DU-01-T	.220	1.000	1-3/8	1-5/8ø, 1-1/2 flats	1-1/2

CommScope® Quantum Reach® (QR)

.320 (7C)	GRS-320-CH-QR-T	.071	.320	15/16	1	1
.540	GRS-540-CH-QRP-T***	.124	.540	1-1/4	1-1/4	1-1/4
.715	GRS-715-CH-QRP-T***	.166	.715	1-5/16	1-5/16	1-5/16
.860	GRS-860-CH-QRP-T***	.203	.860	1-7/16	1-1/2	1-1/2
1.125	GRS-1125-CH-QR-T	.263	1.125	Requires 2 Hook Type Spanner Wrenches (P/N SW-2)		

Times Fiber TX-10

.480	GRS-480-CH-TX-T	.109	.480	1-1/8	1-1/8	1
.565	GRS-565-CH-TX-T	.129	.565	1-1/4	1-1/4	1-1/8
.700	GRS-700-CH-TX-T	.165	.700	1-5/16	1-5/16	1-5/16
.840	GRS-840-CH-TX-T	.194	.840	1-3/8	1-1/2	1-1/2
1.160	GRS-1160-CH-TX-T	.269	1.160	Requires 2 Hook Type Spanner Wrenches (P/N SW-2)		

Trilogy® MC2

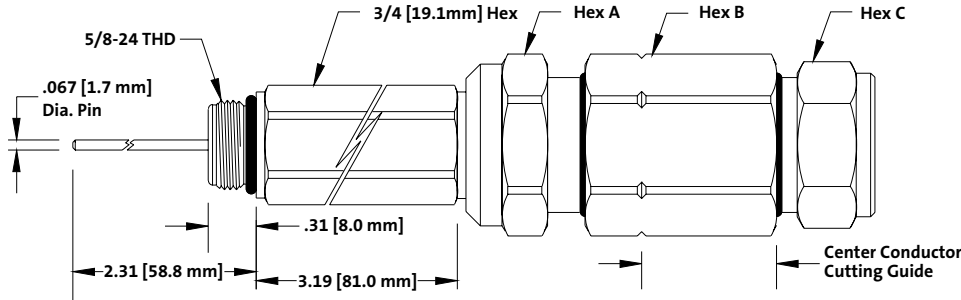
.440	GRS-440-CH-MC2-T	.105	.450	1-1/8	1-1/8	1
.500	GRS-500-CH-MC2-T	.123	.510	1-1/8	1-1/8	1
.650	GRS-650-CH-MC2-T	.156	.640	1-5/16	1-5/16	1-5/16
.750	GRS-750-CH-MC2-T	.185	.760	1-3/8	1-3/8	1-1/4
1.000	GRS-1000-CH-MC2-T	.248	1.015	1-1/2	1-3/4ø, 1-5/8 flats	1-1/2

Early Generations See Cable Group Listings in Reference Section of this Catalog

.412 Group A	GRS-412-CH-A-01-T	.080	.412	13/16	1	15/16
.412 Group CX	GRS-412-CH-CX-T	.080	.482*	15/16	1-1/8	1
.500 Group C	GRS-500-CH-A-01-T	.100	.500	15/16	1-1/8	1
.500 Group D	GRS-500-CH-DU-01-T	.109	.500	1-1/8	1-1/8	1
.500 Group E	GRS-500-CH-DU-02-T	.109	.500	1-1/8	1-1/8	1
.500 Group F	GRS-13.0-CH-DU-01-T	.119	.509	1-1/8	1-1/8	1
.500 Group CX	GRS-500-CH-CX-T	.110	.571	1-1/8	1-1/4	1-1/8
.625 Group CX	GRS-625-CH-CX-T	.137	.693	1-1/4	1-3/8	1-1/4
.750 Group G	GRS-750-CH-A-01-T	.148	.750	1-1/8	1-3/8	1-1/4
.750 Group H	GRS-750-CH-DU-03-T	.167	.750	1-3/8	1-3/8	1-1/4
.750 Group J	GRS-750-CH-FD-04-T	.176	.750	1-3/8	1-3/8	1-1/4
.750 Group CX	GRS-750-CH-CX-T	.169	.816*	1-3/8	1-1/2ø, 1-7/16 flats	1-1/4
.875 Group CX	GRS-875-CH-CX-T	.194	.947*	1-3/8	1-5/8ø, 1-1/2 flats	1-1/2
1.000 Group O	GRS-1000-CH-A-01-T	.193	1.000	1-3/8	1-5/8ø, 1-1/2 flats	1-1/2
1.000 Group N	GRS-1000-CH-FD-01-T	.236	1.000	1-1/2	1-3/4ø, 1-5/8 flats	1-1/2

*Indicates diameter over outer jacket

***Incorporates a non-metallic support sleeve



Note: The part numbers listed are for the 3" extension length. Extensions are also available in 6" and 9" length. To order the 6" and 9" extension length follow the example shown below:

Example:
GRS-500-EXT-6-DU-03-T
GRS-500-EXT-9-DU-03-T

CommScope P-3 Times Fiber T-10

Cable Series	Part Number	Center Conductor	Outer Conductor	Body Hex (A)	Main Nut Hex (B)	Back Nut Hex (C)
.412**	GRS-412-EXT-DU-01-T	.092	.412	15/16	1	15/16
.500	GRS-500-EXT-DU-03-T	.109	.500	1-1/8	1-1/8	1
.625	GRS-625-EXT-DU-02-T	.137	.625	1-1/4	1-1/4	1-1/8
.750	GRS-750-EXT-DU-01-T	.167	.750	1-3/8	1-3/8	1-1/4
.875	GRS-875-EXT-DU-02-T	.194	.875	1-3/8	1-3/8	1-3/8
1.000**	GRS-1000-EXT-DU-01-T	.220	1.000	1-3/8	1-5/8ø, 1-1/2 flats	1-1/2

CommScope QR

.320 (7C)**	GRS-320-EXT-QR-T	.071	.320	15/16	1	1
.540	GRS-540-EXT-QRP-T***	.124	.540	1-1/4	1-1/4	1-1/4
.715	GRS-715-EXT-QRP-T***	.166	.715	1-5/16	1-5/16	1-5/16
.860	GRS-860-EXT-QRP-T***	.203	.860	1-7/16	1-1/2	1-1/2
1.125**	GRS-1125-EXT-QR-T	.263	1.125	Requires 2 Hook Type Spanner Wrenches (P/N SW-2)		

Times Fiber TX-10

.565	GRS-565-EXT-TX-T	.129	.565	1-1/4	1-1/4	1-1/8
.700	GRS-700-EXT-TX-T	.165	.700	1-5/16	1-5/16	1-5/16
.840	GRS-840-EXT-TX-T	.194	.840	1-3/8	1-1/2	1-1/2
1.160**	GRS-1160-EXT-TX-T	.269	1.160	Requires 2 Hook Type Spanner Wrenches (P/N SW-2)		

Trilogy MC2

.440**	GRS-440-EXT-MC2-T	.105	.450	1-1/8	1-1/8	1
.500	GRS-500-EXT-MC2-T	.123	.510	1-1/8	1-1/8	1
.650	GRS-650-EXT-MC2-T	.156	.640	1-5/16	1-5/16	1-5/16
.750	GRS-750-EXT-MC2-T	.185	.760	1-3/8	1-3/8	1-1/4
1.000**	GRS-1000-EXT-MC2-T	.248	1.015	1-1/2	1-3/4ø, 1-5/8 flats	1-1/2

Early Generations See Cable Group Listings in Reference Section of this Catalog

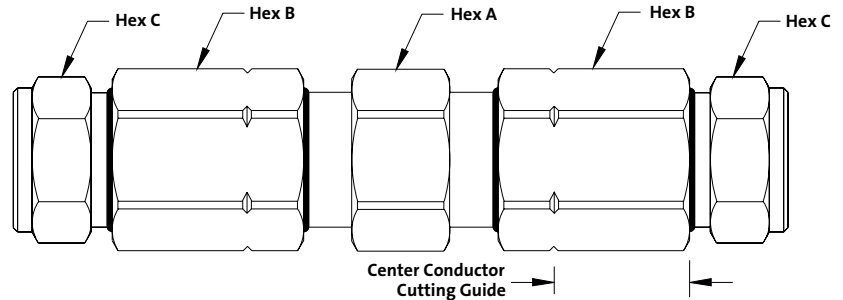
.412 Group A**	GRS-412-EXT-A-01-T	.080	.412	13/16	1	15/16
.412 Group CX**	GRS-412-EXT-CX-T	.080	.482*	15/16	1-1/8	1
.500 Group C**	GRS-500-EXT-A-01-T	.100	.500	15/16	1-1/8	1
.500 Group D	GRS-500-EXT-DU-01-T	.109	.500	1-1/8	1-1/8	1
.500 Group E**	GRS-500-EXT-DU-02-T	.109	.500	1-1/8	1-1/8	1
.500 Group CX**	GRS-500-EXT-CX-T	.110	.571*	1-1/8	1-1/4	1-1/8
.625 Group CX**	GRS-625-EXT-CX-T	.137	.693*	1-1/4	1-3/8	1-1/4
.750 Group G**	GRS-750-EXT-A-01-T	.148	.750	1-1/8	1-3/8	1-1/4
.750 Group H**	GRS-750-EXT-DU-03-T	.167	.750	1-3/8	1-3/8	1-1/4
.750 Group J**	GRS-750-EXT-FD-04-T	.176	.750	1-3/8	1-3/8	1-1/4
.750 Group CX**	GRS-750-EXT-CX-T	.169	.816*	1-3/8	1-1/2ø, 1-7/16 flats	1-1/4
.875 Group CX**	GRS-875-EXT-CX-T	.194	.947*	1-3/8	1-5/8ø, 1-1/2 flats	1-1/2
1.000 Group O**	GRS-1000-EXT-A-01-T	.193	1.000	1-3/8	1-5/8ø, 1-1/2 flats	1-1/2
1.000 Group N**	GRS-1000-EXT-FD-01-T	.236	1.000	1-1/2	1-3/4ø, 1-5/8 flats	1-1/2

*Indicates diameter over outer jacket

**Extension connector is assembled from a pin type connector and a socket contact extension adapter

***Incorporates a non-metallic support sleeve

GRS Splice Connectors



CommScope P-3 Times Fiber T-10

Cable Series	Part Number	Center Conductor	Outer Conductor	Body Hex (A)	Main Nut Hex (B)	Back Nut Hex (C)
.412	GRS-412-SP-DU-01	.092	.412	15/16	1	15/16
.500	GRS-500-SP-DU-03	.109	.500	1-1/8	1-1/8	1
.625	GRS-625-SP-DU-02	.137	.625	1-1/4	1-1/4	1-1/8
.750	GRS-750-SP-DU-01	.167	.750	1-3/8	1-3/8	1-1/4
.875	GRS-875-SP-DU-02	.194	.875	1-3/8	1-3/8	1-3/8
1.000	GRS-1000-SP-DU-01	.220	1.000	1-3/8	1-5/8 ϕ , 1-1/2 flats	1-1/2

CommScope QR

.320 (7C)	GRS-320-SP-QR	.071	.320	15/16	1	1
.540	GRS-540-SP-QRP***	.124	.540	1-1/4	1-1/4	1-1/4
.715	GRS-715-SP-QRP***	.166	.715	1-5/16	1-5/16	1-5/16
.860	GRS-860-SP-QRP***	.203	.860	1-7/16	1-1/2	1-1/2
1.125	GRS-1125-SP-QR	.263	1.125	Requires 2 Hook Type Spanner Wrenches (P/N SW-2)		

Times Fiber TX-10

.565	GRS-565-SP-TX	.129	.565	1-1/4	1-1/4	1-1/8
.700	GRS-700-SP-TX	.165	.700	1-5/16	1-5/16	1-5/16
.840	GRS-840-SP-TX	.194	.840	1-3/8	1-1/2	1-1/2
1.160	GRS-1160-SP-TX	.269	1.160	Requires 2 Hook Type Spanner Wrenches (P/N SW-2)		

Trilogy MC2

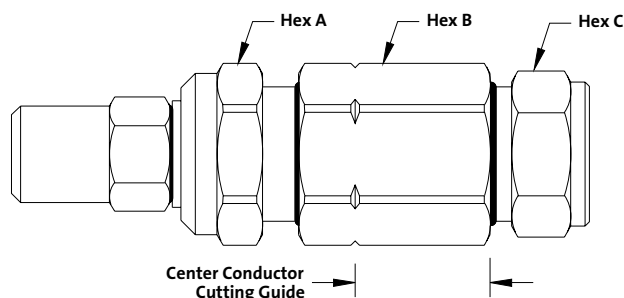
.440	GRS-440-SP-MC2	.105	.450	1-1/8	1-1/8	1
.500	GRS-500-SP-MC2	.123	.510	1-1/8	1-1/8	1
.650	GRS-650-SP-MC2	.156	.640	1-5/16	1-5/16	1-5/16
.750	GRS-750-SP-MC2	.185	.760	1-3/8	1-3/8	1-1/4
1.000	GRS-1000-SP-MC2	.248	1.015	1-1/2	1-3/4 ϕ , 1-5/8 flats	1-1/2

Early Generations [See Cable Group Listings in Reference Section of this Catalog](#)

.412 Group A	GRS-412-SP-A-01	.080	.412	13/16	1	15/16
.412 Group CX	GRS-412-SP-CX	.080	.482*	15/16	1-1/8	1
.500 Group C	GRS-500-SP-A-01	.100	.500	15/16	1-1/8	1
.500 Group D	GRS-500-SP-DU-01	.109	.500	1-1/8	1-1/8	1
.500 Group E	GRS-500-SP-DU-02	.109	.500	1-1/8	1-1/8	1
.500 Group CX	GRS-500-SP-CX	.110	.571*	1-1/8	1-1/4	1-1/8
.625 Group CX	GRS-625-SP-CX	.137	.693*	1-1/4	1-3/8	1-1/4
.750 Group G	GRS-750-SP-A-01	.148	.750	1-1/8	1-3/8	1-1/4
.750 Group H	GRS-750-SP-DU-03	.167	.750	1-3/8	1-3/8	1-1/4
.750 Group J	GRS-750-SP-FD-04	.176	.750	1-3/8	1-3/8	1-1/4
.750 Group CX	GRS-750-SP-CX	.169	.816*	1-3/8	1-1/2 ϕ , 1-7/16 flats	1-1/4
.875 Group CX	GRS-875-SP-CX	.194	.947*	1-3/8	1-5/8 ϕ , 1-1/2 flats	1-1/2
1.000 Group O	GRS-1000-SP-A-01	.193	1.000	1-3/8	1-5/8 ϕ , 1-1/2 flats	1-1/2
1.000 Group N	GRS-1000-SP-FD-01	.236	1.000	1-1/2	1-3/4 ϕ , 1-5/8 flats	1-1/2

*Indicates diameter over outer jacket

***Incorporates a non-metallic support sleeve



CommScope P-3 Times Fiber T-10

Cable Series	Part Number	Center Conductor	Outer Conductor	Body Hex (A)	Main Nut Hex (B)	Back Nut Hex (C)
.412	GRS-412-TR-DU-01	.092	.412	15/16	1	15/16
.500	GRS-500-TR-DU-03	.109	.500	1-1/8	1-1/8	1
.625	GRS-625-TR-DU-02	.137	.625	1-1/4	1-1/4	1-1/8
.750	GRS-750-TR-DU-01	.167	.750	1-3/8	1-3/8	1-1/4
.875	GRS-875-TR-DU-02	.194	.875	1-3/8	1-3/8	1-3/8
1.000	GRS-1000-TR-DU-01	.220	1.000	1-3/8	1-5/8 ϕ , 1-1/2 flats	1-1/2

CommScope QR

.320 (7C)	GRS-320-TR-QR	.071	.320	15/16	1	1
.540	GRS-540-TR-QRP***	.124	.540	1-1/4	1-1/4	1-1/4
.715	GRS-715-TR-QRP***	.166	.715	1-5/16	1-5/16	1-5/16
.860	GRS-860-TR-QRP***	.203	.860	1-7/16	1-1/2	1-1/2
1.125	GRS-1125-TR-QR	.263	1.125	Requires 2 Hook Type Spanner Wrenches (P/N SW-2)		

Times Fiber TX-10

.565	GRS-565-TR-TX	.129	.565	1-1/4	1-1/4	1-1/8
.700	GRS-700-TR-TX	.165	.700	1-5/16	1-5/16	1-5/16
.840	GRS-840-TR-TX	.194	.840	1-3/8	1-1/2	1-1/2
1.160	GRS-1160-TR-TX	.269	1.160	Requires 2 Hook Type Spanner Wrenches (P/N SW-2)		

Trilogy MC2

.440	GRS-440-TR-MC2	.105	.450	1-1/8	1-1/8	1
.500	GRS-500-TR-MC2	.123	.510	1-1/8	1-1/8	1
.650	GRS-650-TR-MC2	.156	.640	1-5/16	1-5/16	1-5/16
1.000	GRS-1000-TR-MC2	.248	1.015	1-1/2	1-3/4 ϕ , 1-5/8 flats	1-1/2

Early Generations See Cable Group Listings in Reference Section of this Catalog

.412 Group A	GRS-412-TR-A-01	.080	.412	13/16	1	15/16
.412 Group CX	GRS-412-TR-CX	.080	.482*	15/16	1-1/8	1
.500 Group C	GRS-500-TR-A-01	.100	.500	15/16	1-1/8	1
.500 Group D	GRS-500-TR-DU-01	.109	.500	1-1/8	1-1/8	1
.500 Group E	GRS-500-TR-DU-02	.109	.500	1-1/8	1-1/8	1
.500 Group CX	GRS-500-TR-CX	.110	.571*	1-1/8	1-1/4	1-1/8
.625 Group CX	GRS-625-TR-CX	.137	.693*	1-1/4	1-3/8	1-1/4
.750 Group G	GRS-750-TR-A-01	.148	.750	1-1/8	1-3/8	1-1/4
.750 Group H	GRS-750-TR-DU-03	.167	.750	1-3/8	1-3/8	1-1/4
.750 Group J	GRS-750-TR-FD-04	.176	.750	1-3/8	1-3/8	1-1/4
.750 Group CX	GRS-750-TR-CX	.169	.816*	1-3/8	1-1/2 ϕ , 1-7/16 flats	1-1/4
.875 Group CX	GRS-875-TR-CX	.194	.947*	1-3/8	1-5/8 ϕ , 1-1/2 flats	1-1/2
1.000 Group O	GRS-1000-TR-A-01	.193	1.000	1-3/8	1-5/8 ϕ , 1-1/2 flats	1-1/2
1.000 Group N	GRS-1000-TR-FD-01	.236	1.000	1-1/2	1-3/4 ϕ , 1-5/8 flats	1-1/2

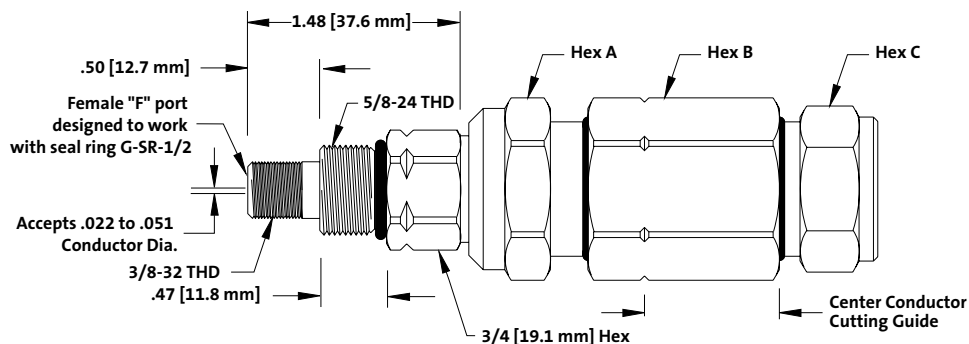
*Indicates diameter over outer jacket

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GRS BAFF Connectors



"F" Female designed for outdoor applications when used with Seal Ring (G-SR-1/2) and UltraSeal or Gilbert 360 connectors.



CommScope P-3 Times Fiber T-10

Cable Series	Part Number	Center Conductor	Outer Conductor	Body Hex (A)	Main Nut Hex (B)	Back Nut Hex (C)
.412	GRS-412-BAFF-DU-01	.092	.412	15/16	1	15/16
.500	GRS-500-BAFF-DU-03	.109	.500	1-1/8	1-1/8	1
.625	GRS-625-BAFF-DU-02	.137	.625	1-1/4	1-1/4	1-1/8
.750	GRS-750-BAFF-DU-01	.167	.750	1-3/8	1-3/8	1-1/4
.875	GRS-875-BAFF-DU-02	.194	.875	1-3/8	1-3/8	1-3/8
1.000	GRS-1000-BAFF-DU-01	.220	1.000	1-3/8	1-5/8 ϕ , 1-1/2 flats	1-1/2

CommScope QR

.320 (7C)	GRS-320-BAFF-QR	.071	.320	15/16	1	1
.540	GRS-540-BAFF-QRP***	.124	.540	1-1/4	1-1/4	1-1/4
.715	GRS-715-BAFF-QRP***	.166	.715	1-5/16	1-5/16	1-5/16
.860	GRS-860-BAFF-QRP***	.203	.860	1-7/16	1-1/2	1-1/2
1.125	GRS-1125-BAFF-QR	.263	1.125	Requires 2 Hook Type Spanner Wrenches (P/N SW-2)		

Times Fiber TX-10

.565	GRS-565-BAFF-TX	.129	.565	1-1/4	1-1/4	1-1/8
.700	GRS-700-BAFF-TX	.165	.700	1-5/16	1-5/16	1-5/16
.840	GRS-840-BAFF-TX	.194	.840	1-3/8	1-1/2	1-1/2
1.160	GRS-1160-BAFF-TX	.269	1.160	Requires 2 Hook Type Spanner Wrenches (P/N SW-2)		

Trilogy MC2

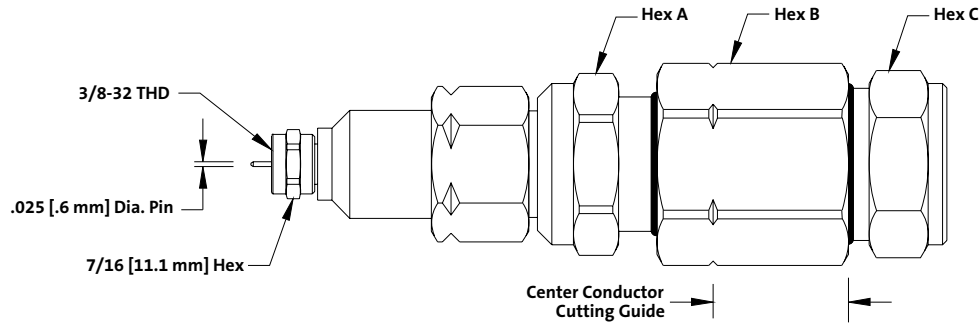
.440	GRS-440-BAFF-MC2	.105	.450	1-1/8	1-1/8	1
.500	GRS-500-BAFF-MC2	.123	.510	1-1/8	1-1/8	1
.650	GRS-650-BAFF-MC2	.156	.640	1-5/16	1-5/16	1-5/16
.750	GRS-750-BAFF-MC2	.185	.760	1-3/8	1-3/8	1-1/4
1.000	GRS-1000-BAFF-MC2	.248	1.015	1-1/2	1-3/4 ϕ , 1-5/8 flats	1-1/2

Early Generations See Cable Group Listings in Reference Section of this Catalog

.412 Group A	GRS-412-BAFF-A-01	.080	.412	13/16	1	15/16
.412 Group CX	GRS-412-BAFF-CX	.080	.482*	15/16	1-1/8	1
.500 Group C	GRS-500-BAFF-A-01	.100	.500	15/16	1-1/8	1
.500 Group D	GRS-500-BAFF-DU-01	.109	.500	1-1/8	1-1/8	1
.500 Group E	GRS-500-BAFF-DU-02	.109	.500	1-1/8	1-1/8	1
.500 Group CX	GRS-500-BAFF-CX	.110	.571*	1-1/8	1-1/4	1-1/8
.625 Group CX	GRS-625-BAFF-CX	.137	.693*	1-1/4	1-3/8	1-1/4
.750 Group G	GRS-750-BAFF-A-01	.148	.750	1-1/8	1-3/8	1-1/4
.750 Group H	GRS-750-BAFF-DU-03	.167	.750	1-3/8	1-3/8	1-1/4
.750 Group J	GRS-750-BAFF-FD-04	.176	.750	1-3/8	1-3/8	1-1/4
.750 Group CX	GRS-750-BAFF-CX	.169	.816*	1-3/8	1-1/2 ϕ , 1-7/16 flats	1-1/4
.875 Group CX	GRS-875-BAFF-CX	.194	.947*	1-3/8	1-5/8 ϕ , 1-1/2 flats	1-1/2
1.000 Group O	GRS-1000-BAFF-A-01	.193	1.000	1-3/8	1-5/8 ϕ , 1-1/2 flats	1-1/2
1.000 Group N	GRS-1000-BAFF-FD-01	.236	1.000	1-1/2	1-3/4 ϕ , 1-5/8 flats	1-1/2

*Indicates diameter over outer jacket

***Incorporates a non-metallic support sleeve



CommScope P-3 Times Fiber T-10

Cable Series	Part Number	Center Conductor	Outer Conductor	Body Hex (A)	Main Nut Hex (B)	Back Nut Hex (C)
.412	GRS-412-AFM-DU-01	.092	.412	15/16	1	15/16
.500	GRS-500-AFM-DU-03	.109	.500	1-1/8	1-1/8	1
.625	GRS-625-AFM-DU-02	.137	.625	1-1/4	1-1/4	1-1/8
.750	GRS-750-AFM-DU-01	.167	.750	1-3/8	1-3/8	1-1/4
.875	GRS-875-AFM-DU-02	.194	.875	1-3/8	1-3/8	1-3/8
1.000	GRS-1000-AFM-DU-01	.220	1.000	1-3/8	1-5/8 ϕ , 1-1/2 flats	1-1/2

CommScope QR

.320 (7C)	GRS-320-AFM-QR	.071	.320	15/16	1	1
.540	GRS-540-AFM-QRP***	.124	.540	1-1/4	1-1/4	1-1/4
.715	GRS-715-AFM-QRP***	.166	.715	1-5/16	1-5/16	1-5/16
.860	GRS-860-AFM-QRP***	.203	.860	1-7/16	1-1/2	1-1/2
1.125	GRS-1125-AFM-QR	.263	1.125	Requires 2 Hook Type Spanner Wrenches (P/N SW-2)		

Times Fiber TX-10

.565	GRS-565-AFM-TX	.129	.565	1-1/4	1-1/4	1-1/8
.700	GRS-700-AFM-TX	.165	.700	1-5/16	1-5/16	1-5/16
.840	GRS-840-AFM-TX	.194	.840	1-3/8	1-1/2	1-1/2
1.160	GRS-1160-AFM-TX	.269	1.160	Requires 2 Hook Type Spanner Wrenches (P/N SW-2)		

Trilogy MC2

.440	GRS-440-AFM-MC2	.105	.450	1-1/8	1-1/8	1
.500	GRS-500-AFM-MC2	.123	.510	1-1/8	1-1/8	1
.650	GRS-650-AFM-MC2	.156	.640	1-5/16	1-5/16	1-5/16
.750	GRS-750-AFM-MC2	.185	.760	1-3/8	1-3/8	1-1/4
1.000	GRS-1000-AFM-MC2	.248	1.015	1-1/2	1-3/4 ϕ , 1-5/8 flats	1-1/2

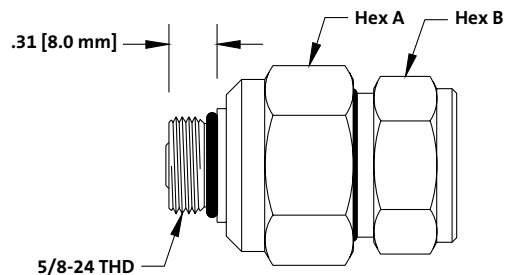
Early Generations See Cable Group Listings in Reference Section of this Catalog

.412 Group A	GRS-412-AFM-A-01	.080	.412	13/16	1	15/16
.412 Group CX	GRS-412-AFM-CX	.080	.482*	15/16	1-1/8	1
.500 Group C	GRS-500-AFM-A-01	.100	.500	15/16	1-1/8	1
.500 Group D	GRS-500-AFM-DU-01	.109	.500	1-1/8	1-1/8	1
.500 Group E	GRS-500-AFM-DU-02	.109	.500	1-1/8	1-1/8	1
.500 Group CX	GRS-500-AFM-CX	.110	.571*	1-1/8	1-1/4	1-1/8
.625 Group CX	GRS-625-AFM-CX	.137	.693*	1-1/4	1-3/8	1-1/4
.750 Group G	GRS-750-AFM-A-01	.148	.750	1-1/8	1-3/8	1-1/4
.750 Group H	GRS-750-AFM-DU-03	.167	.750	1-3/8	1-3/8	1-1/4
.750 Group CX	GRS-750-AFM-CX	.169	.816*	1-3/8	1-1/2 ϕ , 1-7/16 flats	1-1/4
.875 Group CX	GRS-875-AFM-CX	.194	.947*	1-3/8	1-5/8 ϕ , 1-1/2 flats	1-1/2
1.000 Group O	GRS-1000-AFM-A-01	.193	1.000	1-3/8	1-5/8 ϕ , 1-1/2 flats	1-1/2

*Indicates diameter over outer jacket

***Incorporates a non-metallic support sleeve

GRS Feed Thru Connectors



CommScope P-3 Times Fiber T-10

Cable Series	Part Number	Center Conductor	Outer Conductor	Body Hex (A)	Back Nut Hex (B)
.412	GRS-412-B-DU-01	.092	.412	1	1-15/16
.500	GRS-500-B-DU-03	.109	.500	1-1/8	1

CommScope QR

.540	GRS-540-B-QR	.124	.540	1-1/4	1-1/4
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Trilogy MC2

.440	GRS-440-B-MC2	.105	.450	1-1/8	1
.500	GRS-500-B-MC2	.123	.510	1-1/8	1

Early Generations See Cable Group Listings in Reference Section of this Catalog

.500 Group D	GRS-500-B-DU-01	.109	.500	1-1/8	1-1/8
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Figure 1

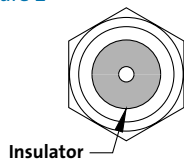


Figure 2

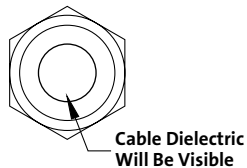
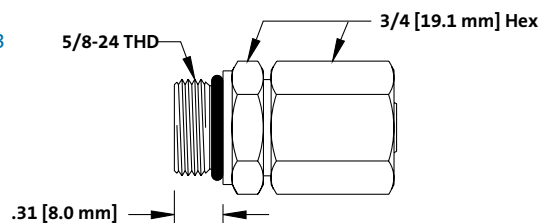


Figure 3



Series 11

Series 11	Part Number	Figure	Dielectric O.D.
	G-11-FT	1,3	.284
	G-11-FT-SPL	2,3	.284

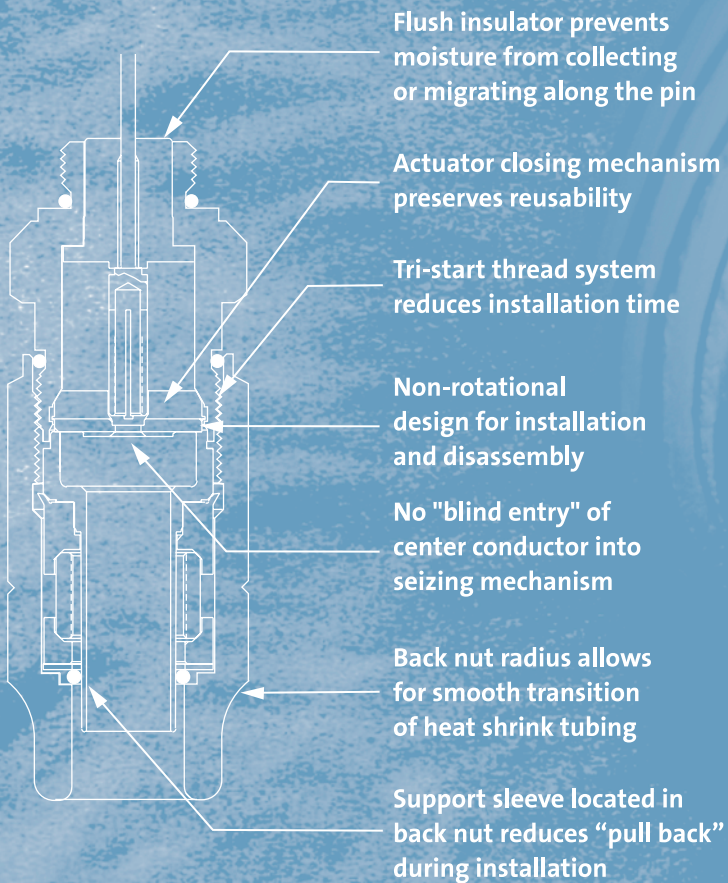
Cable Preparation Dimensions


Series	Cable Size	Connector	Cable Group	Coring Depth	Center Conductor Trim
GRS	412, 440	CH	A	01	
	480, 500	SP	DU	02	
	565, 625	BAFF	FD	03	
	650, 700	AFM	MC2	04	
	750	EXT	CX	07	
		TR	TX		
GRS	840	CH	DU	02	
	875	SP	CX		
		BAFF	TX		
		AFM			
		EXT			
		TR			
GRS	1000	CH	A	01	
	1160	SP	DU		
		BAFF	MC2		
		AFM	TX		
		EXT	FD		
		TR			
					<div>Cable Size</div> <div>(A)</div> <div>1000</div> <div>1-1/16[27mm]</div> <div>1160</div> <div>1-1/4[32mm]</div>
GRS	320	CH	QR		
	500	SP			
	540	BAFF			
	715	AFM			
	860	EXT			
	1125	TR			
					<div>Cable Size</div> <div>(A)</div> <div>320</div> <div>1/2[12.7mm]</div> <div>500</div> <div>1/2[12.7mm]</div> <div>540</div> <div>1/2[12.7mm]</div> <div>715</div> <div>1/2[12.7mm]</div> <div>860</div> <div>5/8[16mm]</div> <div>1125</div> <div>5/8[16mm]</div> <div>(B)</div> <div>15/16[24mm]</div> <div>15/16[24mm]</div> <div>15/16[24mm]</div> <div>15/16[24mm]</div> <div>1-1/16[27mm]</div> <div>1-1/4[32mm]</div>
GRS	412, 440	B	A	01	
	480, 500		DU	02	
	565, 625		MC2	03	
	650, 750		CX		
			TX		
GRS	500	B	QR		
	540				

* Typical dimension, actual is dependent upon equipment selected. This dimension should be verified for appropriate length.

G2™ Product Features

G2 Series 2-piece
Trunk and Distribution Functional



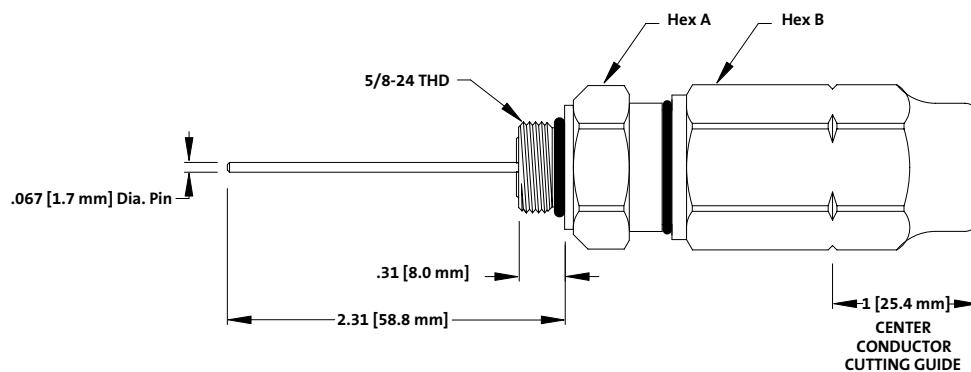


G2™ Series 2-Piece Trunk and Distribution Connectors

G2 series 2-piece trunk and distribution connectors provide superior performance, while eliminating the common disadvantages of traditional 2-piece designs.

- Provides installers a full view of the cable's center conductor insertion into the connector seizing mechanism (no blind entry)
- Incorporates a patented support sleeve located in the back nut of the connector, minimizing cable "pull back"
- The Tri-Start thread system (patent pending) minimizes the required back nut rotations when tightening the connector
- Domed insulator at the KS interface prevents moisture from collecting between the contact pin and connector body, reducing the possibility of corrosion
- Non-rotational design for installation and disassembly
- The G2 connectors have a center conductor cutting guide
- Unique closing mechanism preserves reusability

G2 Pin Type Connectors



CommScope P-3 Times Fiber T-10

Cable Series	Part Number	Center Conductor	Outer Conductor	Body Hex (A)	Back Nut Hex (B)
.500	G2-500-CH-P3	.109	.500	1	1
.625	G2-625-CH-P3	.137	.625	1-1/8	1-1/8
.750	G2-750-CH-P3	.167	.750	1-1/4	1-1/4
.875	G2-875-CH-P3	.194	.875	1-3/8	1-3/8

CommScope QR

.540	G2-540-CH-QR***	.124	.540	1-1/8	1-1/8
.715	G2-715-CH-QR***	.166	.715	1-1/4	1-1/4
.860	G2-860-CH-QR***	.203	.860	1-3/8	1-3/8

Times Fiber TX-10

.565	G2-565-CH-TX	.129	.565	1-1/8	1-1/8
.700	G2-700-CH-TX	.165	.700	1-1/4	1-1/4
.840	G2-840-CH-TX	.194	.840	1-3/8	1-3/8

Trilogy MC2

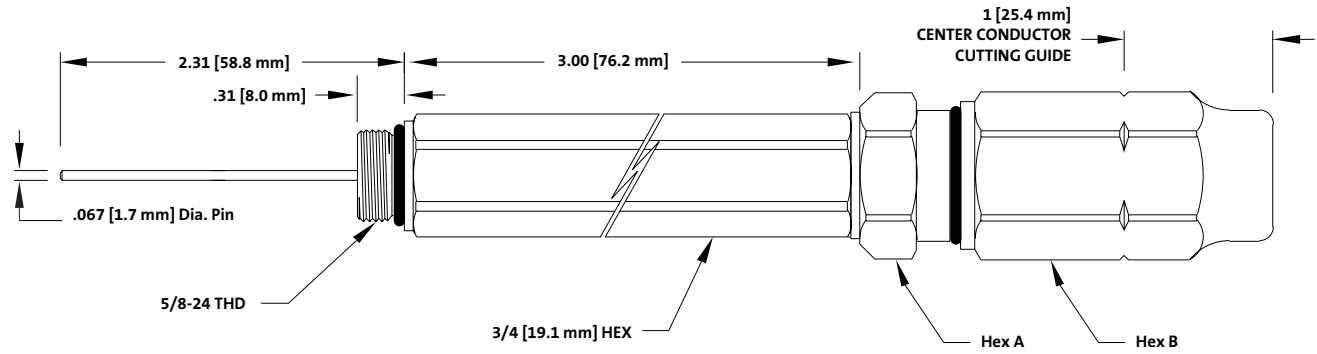
.500	G2-500-CH-MC2	.123	.510	1-1/8	1-1/8
.650	G2-650-CH-MC2	.156	.640	1-1/4	1-1/4
.750	G2-750-CH-MC2	.185	.760	1-3/8	1-3/8

Early Generations P1 Cable

.500	G2-500-CH-P1	.100	.500	1	1
.750	G2-750-CH-P1	.148	.750	1-1/4	1-1/4

***Incorporates a non-metallic support sleeve

G2 Extension Connectors



CommScope P-3 Times Fiber T-10

Cable Series	Part Number	Center Conductor	Outer Conductor	Body Hex (A)	Back Nut Hex (B)
.500	G2-500-EXT-3-P3	.109	.500	1	1
.625	G2-625-EXT-3-P3	.137	.625	1-1/8	1-1/8
.750	G2-750-EXT-3-P3	.167	.750	1-1/4	1-1/4
.875	G2-875-EXT-3-P3	.194	.875	1-3/8	1-3/8

CommScope QR

.540	G2-540-EXT-3-QR***	.124	.540	1-1/8	1-1/8
.715	G2-715-EXT-3-QR***	.166	.715	1-1/4	1-1/4
.860	G2-860-EXT-3-QR***	.203	.860	1-3/8	1-3/8

Times Fiber TX-10

.565	G2-565-EXT-3-TX	.129	.565	1-1/8	1-1/8
.700	G2-700-EXT-3-TX	.165	.700	1-1/4	1-1/4
.840	G2-840-EXT-3-TX	.194	.840	1-3/8	1-3/8

Trilogy MC2

.500	G2-500-EXT-3-MC2	.123	.510	1-1/8	1-1/8
.650	G2-650-EXT-3-MC2	.156	.640	1-1/4	1-1/4
.750	G2-750-EXT-3-MC2	.185	.760	1-3/8	1-3/8

Early Generations P1 Cable

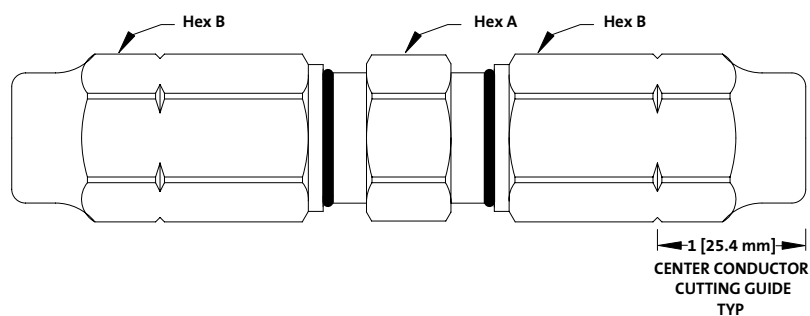
.500	G2-500-EXT-3-P1	.100	.500	1	1
.750	G2-750-EXT-3-P1	.148	.750	1-1/4	1-1/4

***Incorporates a non-metallic support sleeve

Note: The part numbers listed are for the 3" extension length. Extensions are also available in 6" length. To order the 6" extension length follow the example shown below:

Example:
G2-500-EXT-6-P3

G2 Splice Connectors



CommScope P-3 Times Fiber T-10

Cable Series	Part Number	Center Conductor	Outer Conductor	Body Hex (A)	Back Nut Hex (B)
.500	G2-500-SP-P3	.109	.500	1	1
.625	G2-625-SP-P3	.137	.625	1-1/8	1-1/8
.750	G2-750-SP-P3	.167	.750	1-1/4	1-1/4
.875	G2-875-SP-P3	.194	.875	1-3/8	1-3/8

CommScope QR

.540	G2-540-SP-QR***	.124	.540	1-1/8	1-1/8
.715	G2-715-SP-QR***	.166	.715	1-1/4	1-1/4
.860	G2-860-SP-QR***	.203	.860	1-3/8	1-3/8

Times Fiber TX-10

.565	G2-565-SP-TX	.129	.565	1-1/8	1-1/8
.700	G2-700-SP-TX	.165	.700	1-1/4	1-1/4
.840	G2-840-SP-TX	.194	.840	1-3/8	1-3/8

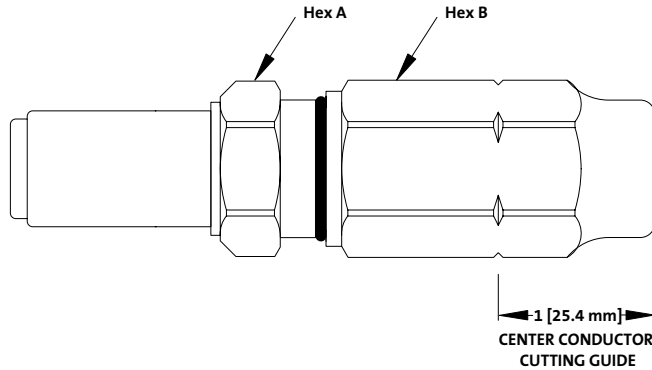
Trilogy MC2

.500	G2-500-SP-MC2	.123	.510	1-1/8	1-1/8
.650	G2-650-SP-MC2	.156	.640	1-1/4	1-1/4
.750	G2-750-SP-MC2	.185	.760	1-3/8	1-3/8

Early Generations P1 Cable

.500	G2-500-SP-P1	.100	.500	1	1
.750	G2-750-SP-P1	.148	.750	1-1/4	1-1/4

***Incorporates a non-metallic support sleeve



CommScope P-3 Times Fiber T-10

Cable Series	Part Number	Center Conductor	Outer Conductor	Body Hex (A)	Back Nut Hex (B)
.500	G2-500-TR-P3	.109	.500	1	1
.625	G2-625-TR-P3	.137	.625	1-1/8	1-1/8
.750	G2-750-TR-P3	.167	.750	1-1/4	1-1/4
.875	G2-875-TR-P3	.194	.875	1-3/8	1-3/8

CommScope QR

.540	G2-540-TR-QR***	.124	.540	1-1/8	1-1/8
.715	G2-715-TR-QR***	.166	.715	1-1/4	1-1/4
.860	G2-860-TR-QR***	.203	.860	1-3/8	1-3/8

Times Fiber TX-10

.565	G2-565-TR-TX	.129	.565	1-1/8	1-1/8
.700	G2-700-TR-TX	.165	.700	1-1/4	1-1/4
.840	G2-840-TR-TX	.194	.840	1-3/8	1-3/8

Trilogy MC2

.500	G2-500-TR-MC2	.123	.510	1-1/8	1-1/8
.650	G2-650-TR-MC2	.156	.640	1-1/4	1-1/4
.750	G2-750-TR-MC2	.185	.760	1-3/8	1-3/8

Early Generations P1 Cable

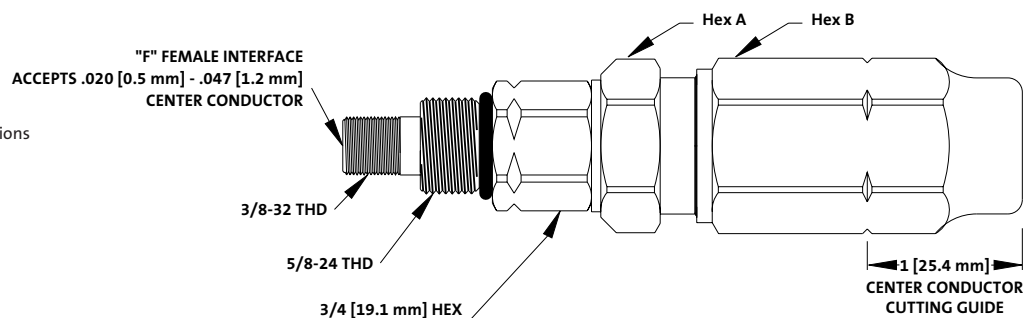
.500	G2-500-TR-P1	.100	.500	1	1
.750	G2-750-TR-P1	.148	.750	1-1/4	1-1/4

***Incorporates a non-metallic support sleeve

G2 BAFF Connectors



"F" Female designed for outdoor applications when used with Seal Ring (G-SR-1/2) and UltraSeal or Gilbert 360 connectors.



CommScope P-3 Times Fiber T-10

Cable Series	Part Number	Center Conductor	Outer Conductor	Body Hex (A)	Back Nut Hex (B)
.500	G2-500-BAFF-P3	.109	.500	1	1
.625	G2-625-BAFF-P3	.137	.625	1-1/8	1-1/8
.750	G2-750-BAFF-P3	.167	.750	1-1/4	1-1/4
.875	G2-875-BAFF-P3	.194	.875	1-3/8	1-3/8

CommScope QR

.540	G2-540-BAFF-QR***	.124	.540	1-1/8	1-1/8
.715	G2-715-BAFF-QR***	.166	.715	1-1/4	1-1/4
.860	G2-860-BAFF-QR***	.203	.860	1-3/8	1-3/8

Times Fiber TX-10

.565	G2-565-BAFF-TX	.129	.565	1-1/8	1-1/8
.700	G2-700-BAFF-TX	.165	.700	1-1/4	1-1/4
.840	G2-840-BAFF-TX	.194	.840	1-3/8	1-3/8

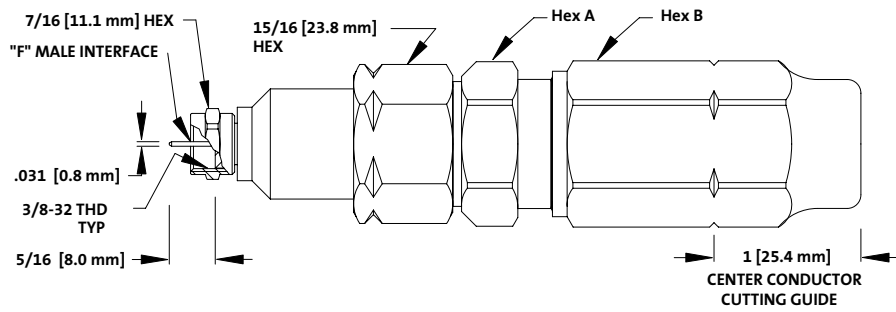
Trilogy MC2

.500	G2-500-BAFF-MC2	.123	.510	1-1/8	1-1/8
.750	G2-750-BAFF-MC2	.185	.760	1-3/8	1-3/8

Early Generations P1 Cable

.500	G2-500-BAFF-P1	.100	.500	1	1
.750	G2-750-BAFF-P1	.148	.750	1-1/4	1-1/4

***Incorporates a non-metallic support sleeve



CommScope P-3 Times Fiber T-10

Cable Series	Part Number	Center Conductor	Outer Conductor	Body Hex (A)	Back Nut Hex (B)
.500	G2-500-AFM-P3	.109	.500	1	1
.625	G2-625-AFM-P3	.137	.625	1-1/8	1-1/8
.750	G2-750-AFM-P3	.167	.750	1-1/4	1-1/4
.875	G2-875-AFM-P3	.194	.875	1-3/8	1-3/8

CommScope QR

.540	G2-540-AFM-QR***	.124	.540	1-1/8	1-1/8
.715	G2-715-AFM-QR***	.166	.715	1-1/4	1-1/4
.860	G2-860-AFM-QR***	.203	.860	1-3/8	1-3/8

Times Fiber TX-10

.565	G2-565-AFM-TX	.129	.565	1-1/8	1-1/8
.700	G2-700-AFM-TX	.165	.700	1-1/4	1-1/4
.840	G2-840-AFM-TX	.194	.840	1-3/8	1-3/8

Trilogy MC2

.500	G2-500-AFM-MC2	.123	.510	1-1/8	1-1/8
.650	G2-650-AFM-MC2	.156	.640	1-1/4	1-1/4
.750	G2-750-AFM-MC2	.185	.760	1-3/8	1-3/8

Early Generations P1 Cable

.500	G2-500-AFM-P1	.100	.500	1	1
.750	G2-750-AFM-P1	.148	.750	1-1/4	1-1/4

***Incorporates a non-metallic support sleeve