

WeatherShield™ Connector Protection Housing

Easy to Install Weatherproofing in Seconds

Complete your transmission line system with the premier connector weatherproofing product. WeatherShield seals and protects connectors from the environment. It provides an additional measure of system protection by providing a watertight seal around the cable and dampening the vibration that can loosen connector interfaces.

The WeatherShield takes just seconds to install. Simply place the WeatherShield around your connection and snap in place. No heat guns or shrink tubes are required.

Cable Size to Cable Size	Type No.
VXL5 or LDF5 to LDF4	WS-L5L4
VXL5 or LDF5 to FSJ4	WS-L5F4
VXL6 or LDF6 to LDF4	WS-L6L4
VXL6 or LDF6 to FSJ4	WS-L6F4
VXL7 or LDF7 to LDF4	WS-L7L4
VXL7 or LDF7 to FSJ4	WS-L7F4



WeatherShield™ Connector Protection Housing (patent pending)

Contact Andrew for further information.

Connector/Splice Weatherproofing Kit

Includes butyl rubber tape and plastic tape to provide additional moisture protection on exposed and buried connectors and splices. It also prevents loosening of connectors at jumper cable interfaces caused by vibration.

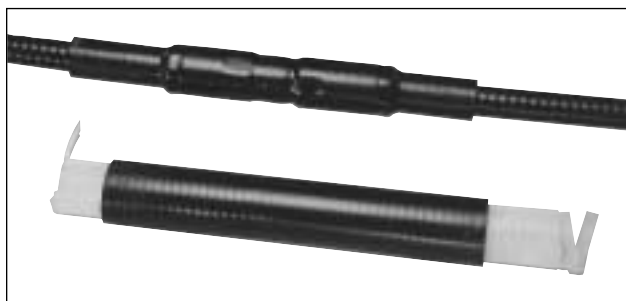
.....Type **221213**



Connector/Splice Weatherproofing Kit



Weatherproofing



3M™ Cold Shrink™ Weatherproofing Kit

**Fast, Effective Connector
Weatherproofing in Three Minutes.**

Cold Shrink

This weatherproofing product seals and protects connectors, splices and jumper-to-antenna interfaces from the environment.

No Tools Required

Cold Shrink slips over the connection and compresses around the interface. Tapes or heat guns are not required for sealing or shrinking. Simply place the Cold Shrink kit over the cable, make the cable connection, and unwind the pull-tab applicator. Once it is collapsed, its continuous compression design forms a water tight seal around the cable.

Fits up to 2-1/4" HELIAX® Cable

The kits are available for transitions from larger to smaller diameter cable, such as 1-5/8" to 1/2", or for same diameter cable, such as 1/2" to 1/2". See the table for Type Numbers.

Available for Antenna-Jumper Interface

The kits are also ideal for weatherproofing the antenna-to-jumper interface, which is typically quite difficult to reach. Cold Shrink eliminates the needs for shrink tubes or weatherproofing tapes.

3M and Cold Shrink™ are trademarks of Minnesota Mining and Manufacturing Company.

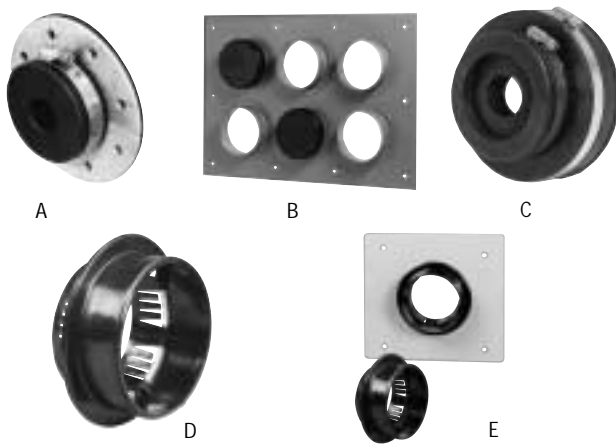
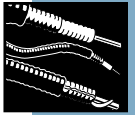
Cable Size	Connections Per Kit
For Connector Interface	
1-5/8" to 1/2"	2
For Splices	
3", 4" and 5"	1
1-5/8" and 2-1/4"	2
1-1/4"	6
7/8"	8
1/2"	12

Ordering Information – Cold Shrink

Kit Coverage Cable Size to Cable Size	Min. Application Diameters* in (mm)	Type Number
Kits for Type N Connectors		
1-5/8"-7/8"	1.20-0.84 (30-12)	241475-3
1/2"-1/2"	0.48 (12)	241474-4
7/8"-7/8"	0.84 (21)	241474-5
1-1/4"-1-1/4"	1.20 (30)	241474-6
1-5/8"-1-5/8"	1.20 (30)	241474-6
Kits for Type N and 7-16 DIN Connectors		
5/8"-3/8"	0.80-0.41 (20-10)	241475-13
5/8"-1/2"	0.80-0.63 (20-16)	241475-13
5/8"-5/8"	0.80-0.80 (20-20)	241474-7
7/8"-1/4"	0.84-0.29 (21-7.4)	241475-12
7/8"-3/8"	0.84-0.41 (21-10)	241475-9
7/8"-1/2"	0.84 0.63 (21-16)	241475-9
1-1/4"-1/4"	1.20-0.29 (30-7.4)	241475-11
1-1/4"-3/8"	1.20-0.41 (30-10)	241475-5A
1-1/4"-1/2"	1.20-0.63 (30-16)	241475-5A
1-5/8"-1/4"	1.20-0.29 (30-7.4)	241475-11
1-5/8"-3/8"	1.20-0.41 (30-10)	241475-5A
1-5/8"-1/2"	1.20-0.63 (30-16)	241475-5A
2-1/4"-3/8"	1.40-0.41 (36-10)	241475-8
2-1/4"-1/2"	1.40-0.63 (36-16)	241475-8
Kits for Antenna Interfaces**		
1/4"-1-1/2" Omni/Panel base or Type N or DIN	0.29 (7.4) - ***	241548-10
3/8"-1-1/2" Omni/Panel base or Type N or DIN	0.41 (10) - ***	241548-8
1/2"-1-1/2" Omni/Panel base or Type N or DIN	0.41 (10) - ***	241548-8
1/4"-2" Omni/Panel base or Type N or DIN	0.29 (7.4) - ***	241548-11
3/8"-2" Omni/Panel base or Type N or DIN	0.41 (10) - ***	241548-9
1/2"-2" Omni/Panel base or Type N or DIN	0.41 (10) - ***	241548-9
1/2" LDF4 - Type N interface	0.49 (12) - ***	241548-4
5/8"-Type N or DIN interface	0.80 (20) - ***	241474-7
7/8"-Type N or DIN interface	0.49 (12) - ***	241548-5
Kits for Arrestor Plus® Surge Protectors		
7/8" LDF5 – APTL5	0.84	241474-5
1-1/4" LDF6 – APTL6	1.20	241474-6
1-5/8" LDF7 – APTL7	1.20	241474-6

* Minimum application diameter is the fully compressed diameter of each tube in the kit.

** Andrew Cold Shrink weatherproofing is completely compatible with Andrew base station antennas. Request bulletin 10138 for complete details.



- A Single Entrance Wall/Roof Feed Thru Assembly.** Includes rubber boot, clamp and galvanized steel plate. Order from table.
- B Multiple Entrance Wall/Roof Feed Thru Plate.** Plate with one or more 4 or 5-inch entry holes. Use with the corresponding size rubber cable boots (sold separately).
- C Cable Entry Boot.** Use with above feed thru plate, with the corresponding size entry hole.

NEW!

- D SNAP-IN Entry Port.** Patent Pending. Snaps into a cabinet or metal plate, 0.06 to 0.14 in (1.5 to 3.5 mm) thick, with a 3.5 in (89 mm) diameter hole. If your cabinet or metal plate has a 4 in (100 mm) hole, use adapter plate below. Constructed from a weather-resistant engineering plastic. Use with One-Piece cable entry boot (Item C) for a durable, low cost alternative to fabricated metal entry ports.
 SNAP-IN Entry Port Type **SEP-4**
 SNAP-IN Entry Port, kit of 10 Type **SEP-4-10**
 Blank Cap, 4 in (100 mm)..... Type **CAP-4**
 Blank Cap, 4 in (100 mm), kit of 10.... Type **CAP-4-10**
- E Adapter Plate.** Mounts SNAP-IN entry port (Item D) to an existing 4 in (100 mm) opening in a cabinet or metal plate, 0.06 to 0.14 in (1.5 to 3.5 mm) thick.
Type **SEPA-4**

Wall/Roof Feed Thru Assemblies, Single Entrance

Cable Size	Type Number
1/2"	40656A-3
5/8"	40656A-7
7/8"	40656A-1
1-1/4"	40656A-5
1-5/8"	40656A-2
2-1/4"	40656A-6
3"	40394-2
4"	40394-1
5"	33938-5

Multiple Entrance Wall/Roof Feed Thru Plates

Number of Openings	Height in (mm)	Width in (mm)	Opening Distance Center to Center in (mm)	Type No.
4" (102 mm) Entry Opening, Multiple Entrance Plate				
1	7 (178)	7 (178)	-	204673-1
1	5 (127)	5 (127)	-	204673-2
4	9.5 (241)	25.5 (648)	5.5 (139)	204673-4
8	17.5 (444)	25.5 (648)	5.5 (139)	204673-8
12	25.5 (648)	25.5 (648)	5.5 (139)	204673-12
16	25.5 (648)	25.5 (648)	5.5 (139)	204673-16
5" (127 mm) Entry Opening, Multiple Entrance Plate				
1	9.5 (241)	9.5 (241)	-	48940-1
2	9.5 (241)	17.5 (444)	7 (178)	48940-2
3	9.5 (241)	25.5 (648)	7 (178)	48940-3
4	17.5 (444)	17.5 (444)	7 (178)	48940-4
6	17.5 (444)	25.5 (648)	7 (178)	48940-6

One-Piece Cable Entry Boots

Cable Size	Number of Holes in Boots	Cable Boot Type No.
4" (102 mm) Cable Boots		
1/4" Foam	3	204679A-17
3/8" Foam	1	204679A-19
1/2" Foam	1	204679A-5
1/2" Foam	3	204679A-7
1/2" Foam	4	204679A-16
1/2" Air	1	204679A-6
1/2" Air	3	204679A-1
5/8"	1	204679A-13
5/8"	3	204679A-14
7/8"	1	204679A-2
7/8"	2	204679A-18
7/8"	3	204679A-15
1-1/4"	1	204679A-3
1-5/8"	1	204679A-4
2-1/4"	1	204679A-8
3"	1	204679A-9
5" (127 mm) Cable Boots		
3/8" Foam	3	48939A-16
1/2" Foam	1	48939A-6
1/2" Foam	3	48939A-8
1/2" Foam	4	48939A-17
1/2" Air	1	48939A-7
1/2" Air	3	48939A-5
5/8"	1	48939A-14
5/8"	3	48939A-15
7/8"	1	48939A-1
7/8"	3	48939A-2
1-1/4"	1	48939A-3
1-5/8"	1	48939A-4
2-1/4"	1	48939A-9
3"	1	48939A-10