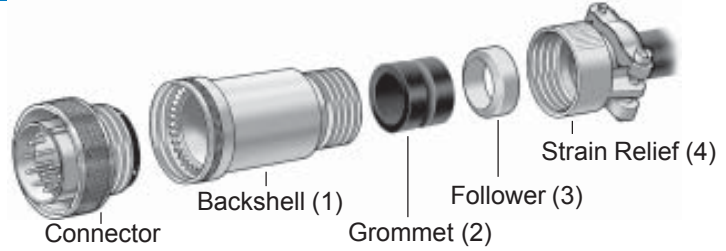


Glenair Environmental Backshells offer excellent immersion capability when used with impervious jacketed cables. A resilient grommet which fits into a counterbore in the backshell compresses and seals against the cable jacket when the strain relief is tightened.



Military Specification	Superceeding Part Number	Glenair's Commercial Catalog P/N	Description	Glenair Connector Designator	Page Number
MS3188B	M85049/9	370AA001	90° Env. Backshell	A	37-22
MS3189B	M85049/7	370AB001	45° Env. Backshell	A	37-20
MS3437B	M85049/11	370AS001	Str. Env. Backshell	A	37-24
M28840/6 B		**	Str. Env. Backshell	G	37-2
M28840/8 B		**	90° Env. Backshell	G	37-3
M28840/9 B		**	45° Env. Backshell	G	37-4
AS85049/3 1		**	Str. Env. Backshell	C	37-5
AS85049/3 2		**	Str. Env. Backshell	C	37-6
AS85049/3 3		**	Str. Env. Backshell	C	37-7
AS85049/4 1		**	Str. Env. Backshell	C	37-8
AS85049/4 2		**	Str. Env. Backshell	C	37-10
AS85049/4 3		**	Str. Env. Backshell	C	37-12
AS85049/5 1		**	Str. Env. Backshell	C	37-14
AS85049/5 2		**	Str. Env. Backshell	C	37-16
AS85049/5 3		**	Str. Env. Backshell	C	37-18
AS85049/7		370AB001	45° Env. Backshell	A	37-20
AS85049/9		370AA001	90° Env. Backshell	A	37-22
AS85049/11		370AS001	Str. Env. Backshell	A	37-24
** Consult Factory					

Assembly Instructions

The following suggested procedure serves as a guide for proper assembly and installation of straight Glenair Environmental Backshells for use with jacketed cables. It is recommended that trial samples of appropriate cables be used to determine proper trim dimensions of the cable jacket and individual conductors.

- Temporarily assemble backshell (1) to connector.
- Place grommet (2), follower (3), and strain relief (4) on cable in sequence shown. Keep these components at a convenient distance from the end of the cable so they will not interfere with subsequent assembly steps.
- Insert cable into backshell (1) and bottom against connector. Hold cable in position and mark cable jacket at rear end of backshell.
- Remove backshell from connector and place on cable with components in step (b) above.
- Trim cable jacket at mark in step (c) above. Depending on type of connector contact termination used (solder,

crimp, etc.) the length of individual conductors may require shortening by 3/4 inch to assure that the cable jacket will be in proper position when grommet (2) is clamped and compressed.

- Prepare and terminate cable conductors in accordance with established practices.
- Assemble backshell (1) to connector and tighten securely. Slide grommet (2) into backshell and position follower (3) against grommet.
- Attach strain relief (4) to backshell and tighten securely. If provided, tighten strain relief saddles securely on cable jacket.

NOTE: As with any electrical connector assembly procedure, be sure to use the proper tools. For convenient reliable assembly of the connector and backshell, it is suggested that Glenair's connector holding tools, strap wrenches and connector pliers be used.