

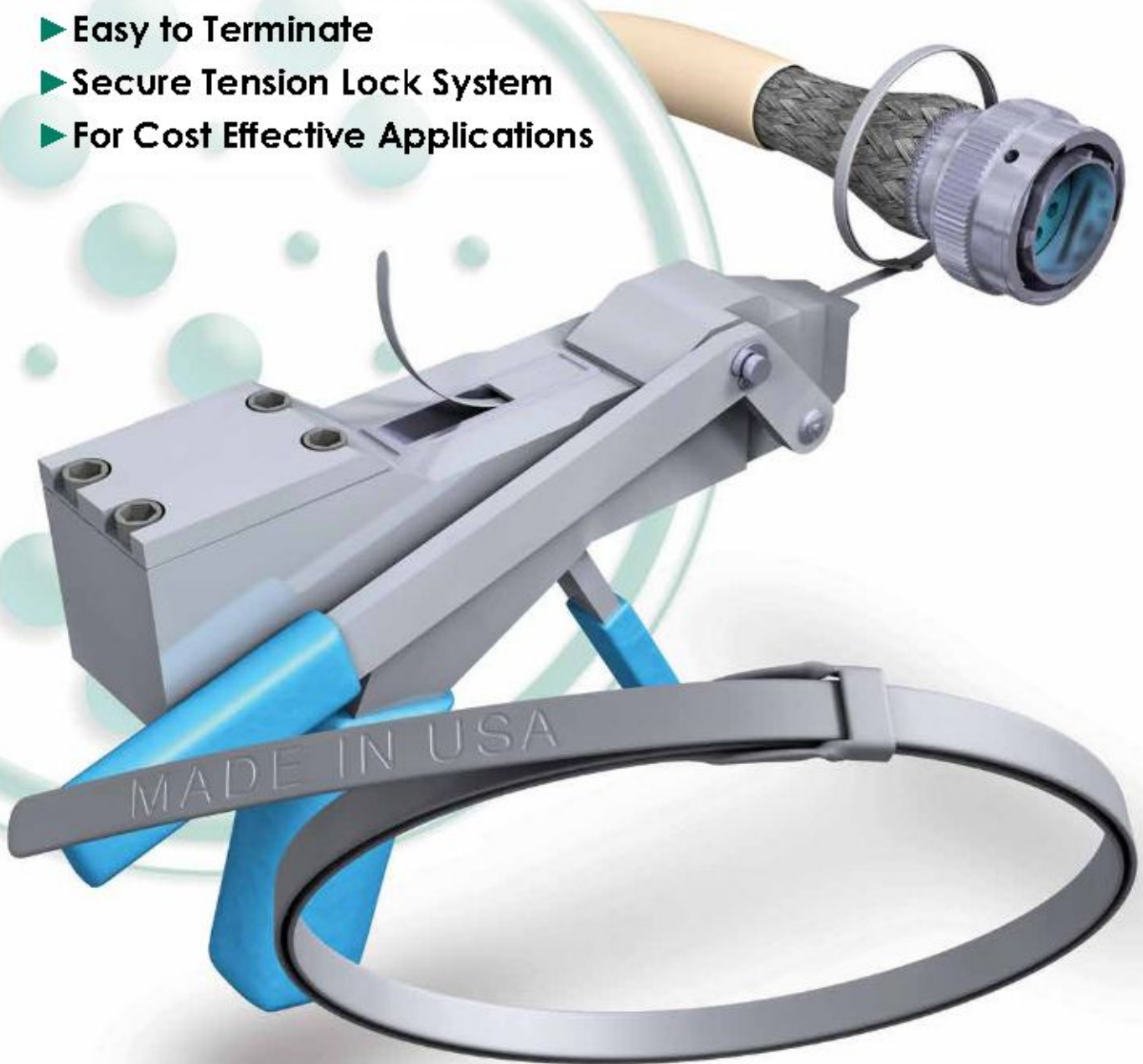
etronics

QTV Band
MADE IN THE USA

M85049/128
EMI/RFI Shield
Termination Bands

Key Benefits of Termination Bands:

- ▶ Easy to Terminate
- ▶ Secure Tension Lock System
- ▶ For Cost Effective Applications



SPACECRAFT COMPONENTS TERMINATION BANDS

These Bands are commonly used to attach a braid or a shield to a backshell. They come in two shapes: Coiled or flat.

To provide our customers with a cost effective solution, Spacecraft Components now manufactures Termination Bands and is qualified to the M85049/128 specification.

Shown below is a summary of the various bands and their respective tools.

| ELECTRO-ADAPTER | SHAPE | SIZE | SCP P/N | MILITARY REFERENCE | MILITARY TOOL | NON MILITARY APPLICATIONS | |
|-----------------|--------|-------------|-----------|--------------------|---------------|---------------------------|--------------|
| | | | | | | ELECTRO-ADAPTER TOOL | DANIELS TOOL |
| 214LF002 | Flat | .245 x 14.0 | SCPSE-02F | M85049/128-1 | M81306/2-01 ▲ | EAK214-25 ▲ | DBS-1101 ▲ |
| 214L0002 | Coiled | | SCPSE-02C | M85049/128-2 | | | |

| BAND-IT® | SHAPE | SIZE | SCP P/N | MILITARY REFERENCE | MILITARY TOOLS | NON MILITARY APPLICATIONS | | |
|----------|--------|--------------|---------------|--------------------|----------------|---------------------------|---------------|---------------|
| | | | | | | BAND-IT® TOOLS | DANIELS TOOLS | GLENAIR TOOLS |
| A10089 | Flat | .242 x 14.25 | SCPBE-02F | M85049/128-3 | M81306/1-01 ● | A40199 ● | DBS-2100 ● | 600-058 ● |
| A10088 | Coiled | | SCPBE-02C | M85049/128-4 | | | | |
| A11086 | Flat | .242 x 18.00 | SCPBE-02FL18# | N/A | M81306/1-02 ● | A30199 ● | DBS-2200 ● | 600-061 ● |
| A31189* | Flat | .120 x 8.125 | SCPBE-04F | M85049/128-7 | | | | |
| A31188* | Coiled | | SCPBE-04C | M85049/128-8 | | | | |
| A31089* | Flat | .120 x 14.30 | SCPBE-03F | N/A | | | | |

* Mini Band

Two piece construction

| GLENAIR | SHAPE | SIZE | SCP P/N | MILITARY REFERENCE | MILITARY TOOLS | NON MILITARY APPLICATIONS | | |
|------------|--------|--------------|---------------|--------------------|----------------|---------------------------|----------------|---------------|
| | | | | | | GLENAIR TOOLS | BAND-IT® TOOLS | DANIELS TOOLS |
| 600-052 | Flat | .242 x 14.25 | SCPBE-02F | M85049/128-3 | M81306/1-01 ● | 600-058 ● | A40199 ● | DBS-2100 ● |
| 600-052-1 | Coiled | | SCPBE-02C | M85049/128-4 | | | | |
| 600-090 | Flat | .242 x 18.0 | SCPBE-02FL18# | N/A | M81306/1-01 ● | 600-058 ● | A40199 ● | DBS-2100 ● |
| 600-090-1 | Coiled | | SCPBE-02CL18# | | | | | |
| 600-057* | Flat | .120 x 8.125 | SCPBE-04F | M85049/128-7 | M81306/1-02 ● | 600-061 ● | A30199 ● | DBS-2200 ● |
| 600-057-1* | Coiled | | SCPBE-04C | M85049/128-8 | | | | |
| 600-083* | Flat | .120 x 14.30 | SCPBE-03F | N/A | | | | |
| 600-083-1* | Coiled | | SCPBE-03C | | | | | |

* Mini Band

Two piece construction

Band-IT® and Glenair bands work in the DBS or STS Tools, but two operations are required (terminate and to-over) rather than the one operation (terminate/trim). DBS or STS-1101, and 1201 tools include both the termination tool and the secondary to-over tool.

| SUNBANK | SHAPE | SIZE | SCP P/N | MILITARY REFERENCE | MILITARY TOOLS | NON MILITARY APPLICATIONS | |
|-----------|--------|--------------|-----------|--------------------|----------------|---------------------------|---------------|
| | | | | | | SUNBANK TOOLS | DANIELS TOOLS |
| S 3175F2 | Flat | .245 x 14.00 | SCPSE-02F | M85049/128-1 | M81306/2-01 ▲ | STS-1101 ▲ | DBS-1101 ▲ |
| S 3175-2 | Coiled | | SCPSE-02C | M85049/128-2 | | | |
| S 3175F3* | Flat | .118 x 14.25 | SCPSE-03F | N/A | M81306/2-02 ▲ | STS-1201 ▲ | DBS-1201 ▲ |
| S 3175-3* | Coiled | | SCPSE-03C | | | | |
| S 3175F4* | Flat | .118 x 9.50 | SCPSE-04F | M85049/128-5 | M81306/2-02 ▲ | STS-1201 ▲ | DBS-1201 ▲ |
| S 3175-4* | Coiled | | SCPSE-04C | M85049/128-6 | | | |

* Mini Band

DBS or STS-1101 and 1201 tools include both the termination tool and the secondary to-over tool.

MILITARY REFERENCE

| MILITARY | SHAPE | SIZE | SCP P/N | MILITARY TOOLS | NON MILITARY APPLICATIONS | | | |
|--------------|--------|--------------|-----------|----------------|---------------------------|------------|-----------|------------|
| | | | | | Band-IT® | Daniels | Glenair | Sunbank |
| M85049/128-1 | Flat | .245 x 14.00 | SCPSE-02F | M81306/2-01 ▲ | - | DBS-1101 ▲ | - | STS-1101 ▲ |
| M85049/128-2 | Coiled | | SCPSE-02C | | | | | |
| M85049/128-3 | Flat | .245 x 14.25 | SCPBE-02F | M81306/1-01 ● | A40199 ● | DBS-2100 ● | 600-058 ● | - |
| M85049/128-4 | Coiled | | SCPBE-02C | | | | | |
| M85049/128-5 | Flat | .118 x 9.50 | SCPSE-04F | M81306/2-02 ▲ | - | DBS-1201 ▲ | - | STS-1201 ▲ |
| M85049/128-6 | Coiled | | SCPSE-04C | | | | | |
| M85049/128-7 | Flat | .115 x 8.125 | SCPBE-04F | M81306/1-02 ● | A30199 ● | DBS-2200 ● | 600-061 ● | - |
| M85049/128-8 | Coiled | | SCPBE-04C | | | | | |

● One Step Tool

▲ Two Step Tool

M85049/128

MINI-BANDS (.115 WIDE)



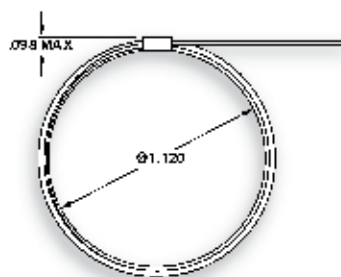
M85049/128-8

* M85049/128-5, 6, 7, 8 are proposed.

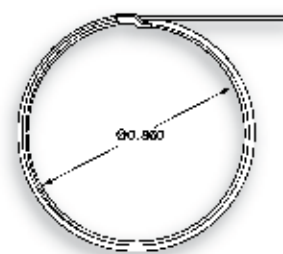
M85049/128-5 & M85049/128-8
SCPSE-04F & SCPSE-04C
TERMINATION TOOLS:
DANIELS', DBS-1201 ▲
SUNBANK, STS-1201 ▲
M81308/2-02 ▲

M85049/128-7 & M85049/128-8
SCPBE-04F & SCPBE-04C
TERMINATION TOOLS:
BAND-IT®, A30199 ■
DANIELS', DBS-2200 ■
GLENAIR, 800-081 ■
M81308/1-02 ■

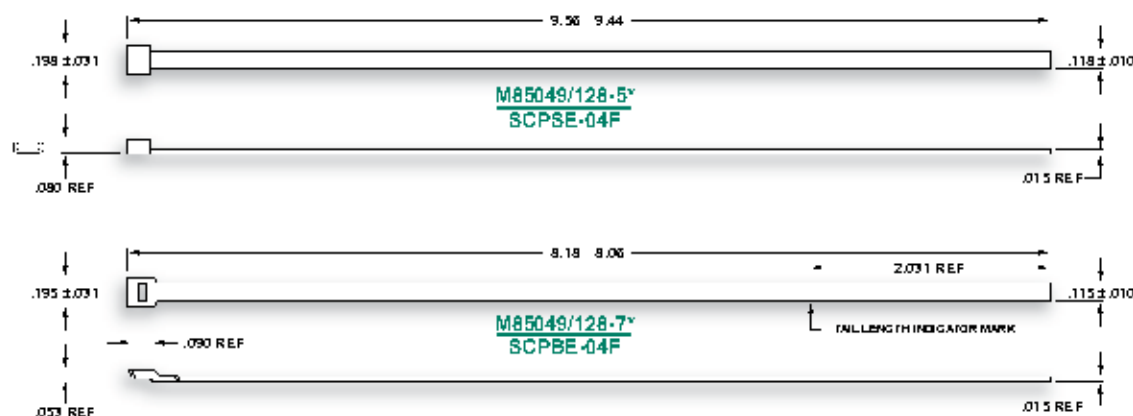
- One Step Tool
- ▲ Two Step Tool



M85049/128-6*
SCPSE-04C



M85049/128-8*
SCPBE-04C

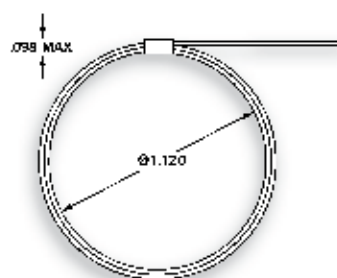


MINI-BANDS (.115 WIDE)

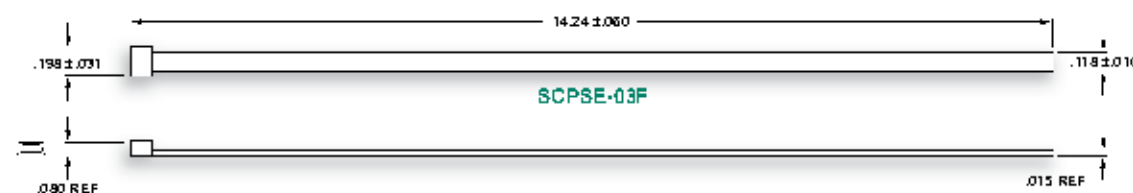


SCPSE-03F & SCPSE-03C
TERMINATION TOOLS:
DANIELS', DBS-1201 ▲
SUNBANK, STS-1201 ▲
M81308/2-02 ▲

- ▲ Two Step Tool



SCPSE-03C



M85049/128

QUARTER-INCH TERMINATION BANDS (.245 WIDE)

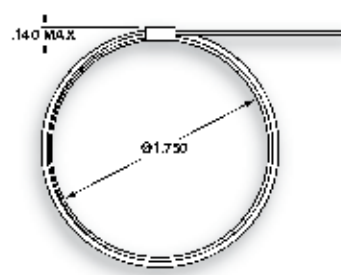


M85049/128-2

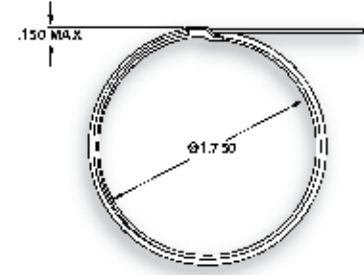
M85049/128-1 & M85049/128-2
SCPSE-02F & SCPSE-02C
TERMINATION TOOLS:
DANIELS, DBS-1101 ▲
SUNBANK, STS-1101 ▲
M81308/2-01 ▲

M85049/128-3 & M85049/128-4
SCPBE-02F & SCPBE-02C
TERMINATION TOOLS:
BAND-IT®, A40199 ■
DANIELS, DBS-2100 ■
GLENAIR, 000-058 ■
M81308/1-01 ■

■ One Step Too
▲ Two Step Too



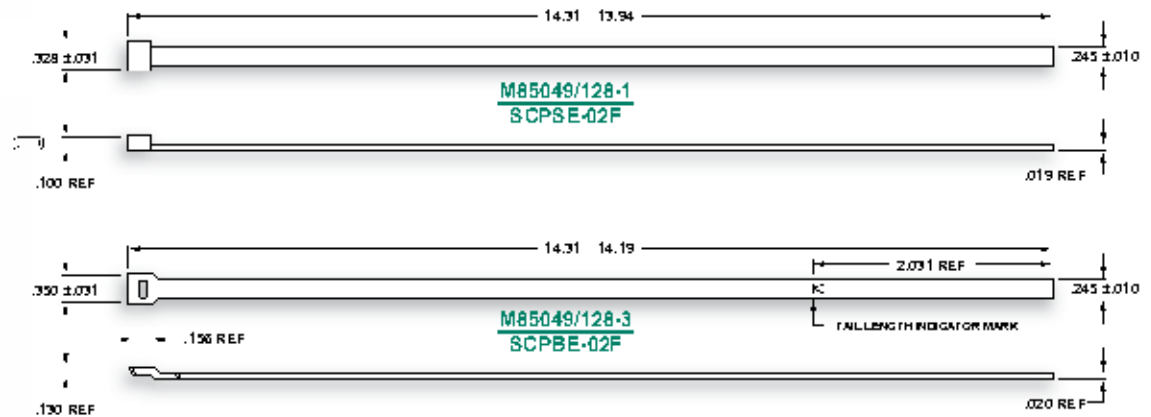
M85049/128-2
SCPSE-02C



M85049/128-4
SCPBE-02C



M85049/128-4



EMI/RFI Band Application Tooling by DANIELS MANUFACTURING CORPORATION

The termination of EMI/RFI shielding materials is a specialized science in today's aerospace wiring systems. Application tooling is a critical factor in the overall performance of the wiring system components.

DMC has worked closely with the world's leading connector accessory manufacturers to develop the necessary tooling and accessories to meet the stringent demands of aerospace and defense system contractors. The resulting products afford the user many benefits which include:

COMPATIBILITY with all currently available termination bands and systems.

RELIABILITY through the use of commercially proven components and tool design practice.

QUALITY & REPEATABILITY which are assured by a tension system.

SERVICE & CALIBRATION - All tools produced by DMC are adjustable, and may be easily checked and set by the user. Also, expendable components such as cut off blades are available for simple replacement by the user.

LONG SERVICE LIFE - Properly maintained band application tools will produce thousands of reliable terminations.

AFFORDABILITY - DMC tools continue to be the most cost effective method to produce reliable wiring system shield terminations.

Models are available for .250 in. (6.350 mm) and .125 in. (3.175 mm) wide bands from all current suppliers to M85049/128.

THE PNEUMATIC BAND APPLICATION TOOL...

is a cost effective system that speeds production and improves ergonomic conditions which are present when manual tools are used. Band tension is precisely applied by a dependable pneumatic system which is consistent and repeatable.

The tension system of the pneumatic band tool is adjustable, and can be checked by use of the verification devices available from DMC. (See pages 68-69.)

The cutter blade and other components of the DMC Pneumatic Band tools are interchangeable with the same series hand tools. The rugged design and field replaceable blades make the PBT/PMBT series the best choice for production applications where EMI/RFI bands are used to terminate wire harness shielding.



THE HAND OPERATED BAND APPLICATION TOOL (REFERENCE ASB1306/2)

is an excellent choice for many production and maintenance operations. Like the power driven models, they too can be calibrated by the user to provide reliable terminations throughout the service life.



The lightweight construction and small "nose" profile enable the user to apply termination bands in even the tightest of working areas.

Connectors with Integrated Backshells for Banding, Over Molding or Shrink Boots



SCPB005V
AS95234
(REVERSE BAYONET)



SC505V
AS50151
(MS 3450)



SC765V
MIL-DTL-26482
Series 2
(MS3476)

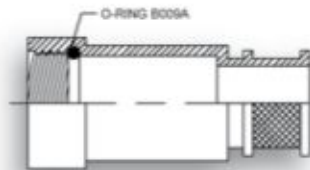
AS50151 – All Series, Crimp or Solder
AS95234 – Reverse Bayonet, Crimp or Solder
MIL-DTL-26482 – All Series, Crimp or Solder
MIL-DTL-38999 – Series I, II & III



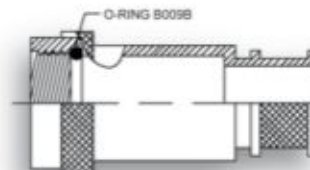
SC39245V
MIL-DTL-38999
Series III
(D38999/24)

See Catalog 601 for details.

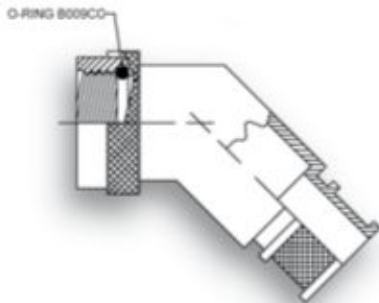
Backshells for Banding, Over Molding or Shrink Boots



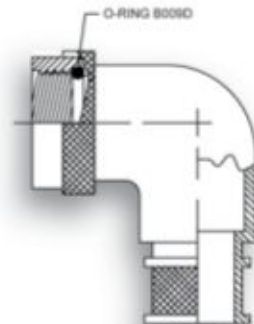
B008A - B009A
STRAIGHT SOLID BODY



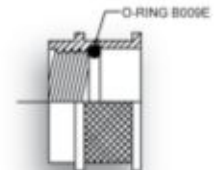
B008B - B009B
STRAIGHT SPIN COUPLING



B008CC - B009CC
45°
LOW PROFILE



B008D - B009D
90°
LOW PROFILE



B008E - B009E
ECONOMY VERSION