

BAND LOCK ADAPTOR



This is another method of termination of screens. A high quality band will do the job in this back shell. Tempered bands are tightened over the shields, which is pulled over the banding area, using special assembly tools. Suitable over cover by heat shrink boot or some other method as chosen by the designer could be used. Both crimp ring and banded terminations give a low DC resistance.

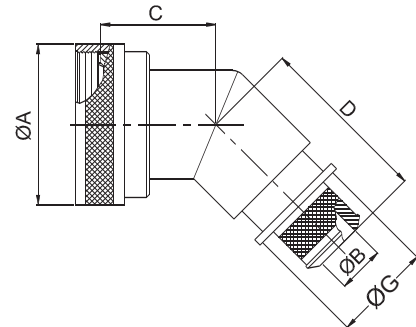
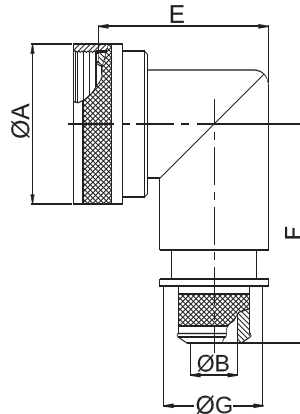
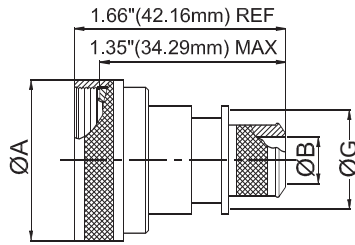
For Connector Group		Page No.
J	→	VII-1
K	→	VII-2
L	→	VII-3
M	→	VII-4
N	→	VII-5

Note: For Connector group Identification refer Table 1 - A, B, C, D ([Page 7-11](#)) and for Material / Plating Finish, Refer Table-2 ([Page 12](#))



Connector Group - J

Straight, 90°, 45°



Amphenol Part Number

BL1 X X J 99 99 9 X X

Series

Angle

S: straight
A: 90deg
B: 45deg

Coupling

R: spin
S: Self lock

Connector group

Finish: see Table-2

B: With band
X: Without band

Length
9 - for standard
Length in table / figure

Entry size
See Table-A

Shell size
See Table-A

MIL Part Number

M85049 / 99 - 99 X 9

MIL Series

Slash sheet
82 : Straight, self lock
84: 90deg, self lock
83: 45deg, self lock

Entry size:
See Table-A

Finish:
See Table-2

Shell size:
See Table-A

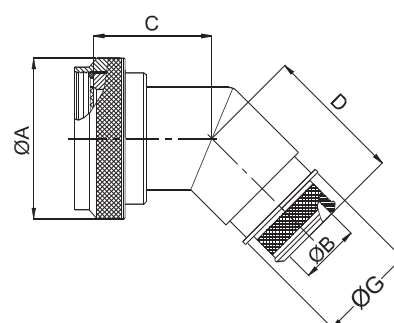
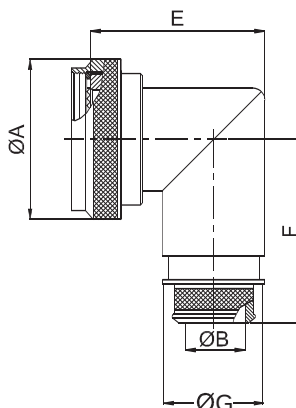
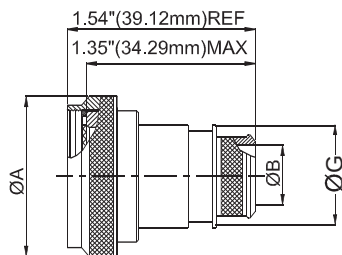
NOTE: * For more cable entry and length options, contact factory

TABLE - A

AMPHENOL PART NUMBER DESIGNATOR		MIL PART NUMBER DESIGNATOR		CONNECTOR SHELL SIZE	A DIA. (MAX)		B DIA.		C (MAX)		D (MAX)		E (MAX)		F (MAX)		G (MAX)	
SHELL SIZE	ENTRY SIZE	ACCESSORY SHELL SIZE	ENTRY SIZE				+0.00 -0.02	+0.00 -0.50										
					INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	08	02	8	0.89	22.48	N/A	N/A	0.87	22.10	1.16	29.46	1.19	30.18	1.42	35.99	N/A	N/A
	02		03				0.26	6.60									0.56	14.22
10	01	10	02	10	1.01	25.65	N/A	N/A	0.89	22.61	1.18	29.97	1.28	32.54	1.48	37.59	N/A	N/A
	02		03				0.32	8.13									0.63	16.00
12	01	12	02	7 / 12	1.14	28.83	0.32	8.13	0.92	23.37	1.20	30.48	1.41	35.71	1.54	39.17	0.63	16.00
	02		03				0.45	11.43									0.75	19.05
14	01	14	02	12 / 14	1.26	32.00	0.45	11.43	0.94	23.88	1.22	30.99	1.53	38.89	1.61	40.77	0.75	19.05
	02		03				0.57	14.48									0.89	22.61
16	01	16	02	19 / 16	1.39	35.18	0.51	12.95	0.96	24.38	1.25	31.75	1.66	42.06	1.67	42.34	0.82	20.83
	02		03				0.64	16.26									0.95	24.13
18	01	18	02	27 / 18	1.51	38.35	0.64	16.26	0.98	24.89	1.26	32.00	1.72	43.64	1.73	43.94	0.95	24.13
	02		03				0.76	19.30									1.07	27.18
20	01	20	02	37 / 20	1.64	41.53	0.64	16.26	1.00	25.40	1.29	32.77	1.84	46.84	1.79	45.52	0.95	24.13
	02		03				0.82	20.83									1.13	28.07
22	01	22	02	22	1.76	44.70	0.70	17.78	1.03	26.16	1.31	33.27	1.94	49.23	1.85	46.99	1.02	25.99
	02		03				0.95	24.13									1.26	32.00
24	01	24	02	24	1.89	47.88	0.76	19.30	1.05	26.67	1.34	34.04	2.09	53.16	1.92	48.69	1.07	27.18
	02		03				1.01	25.65									1.32	33.53
28	01	28	02	28	2.14	54.23	0.89	22.61	1.10	27.94	1.38	35.05	2.53	64.29	2.04	51.87	1.19	30.23
	02		03				1.14	28.96									1.47	37.34

Connector Group - K

Straight, 90°, 45°



Amphenol Part Number

BL1 X X K 99 99 9 X X

Series

Angle

S: straight
A: 90deg
B: 45deg

Coupling

R: spin
S: Self lock

Connector group

Finish: see Table-2

B: With band
X: Without bandLength
9 - for standard
Length in table / figureEntry size
See Table-AShell size
See Table-A

MIL Part Number

M85049 / 99 - 99 X 9

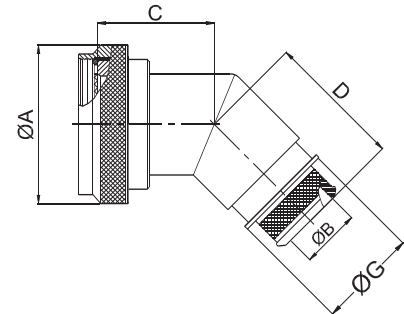
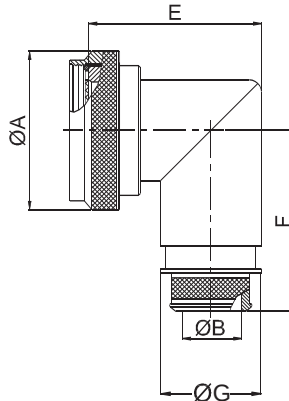
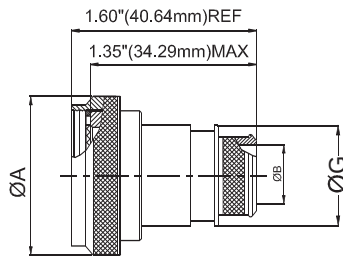
MIL Series

Slash sheet
85 : Straight, self lock
87: 90deg, self lock
86: 45deg, self lockEntry size:
See Table-AFinish:
See Table-2Shell size:
See Table-A**NOTE:** * For more cable entry and length options, contact factory

TABLE - A																		
AMPHENOL PART NUMBER DESIGNATOR		MIL PART NUMBER DESIGNATOR		CONNECTOR	A DIA. (MAX)		B DIA.		C (MAX)		D (MAX)		E (MAX)		F (MAX)		G (MAX)	
							+0.00 -0.02	+0.00 -0.50										
SHELL SIZE	ENTRY SIZE	ACCESSORY SHELL SIZE	ENTRY SIZE		SHELL SIZE SE – II / I	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH
08	01	08	01	8 / 9	0.86	21.82	N/A	N/A	0.87	22.10	1.16	29.46	1.38	34.93	1.42	35.99	N/A	N/A
	02		02				0.26	6.60									0.56	14.22
10	01	10	01	10 / 11	0.99	25.04	N/A	N/A	0.90	22.86	1.19	30.23	1.44	36.50	1.48	37.59	N/A	N/A
	02		02				0.32	8.13									0.63	16.00
12	01	12	01	12 / 13	1.16	29.36	0.32	8.13	0.92	23.37	1.21	30.73	1.56	39.67	1.55	39.45	0.63	16.00
	02		02				0.45	11.43									0.75	19.05
14	01	14	01	14 / 15	1.28	32.54	0.45	11.43	0.95	24.13	1.24	31.50	1.69	42.85	1.61	41.00	0.75	19.05
	02		02				0.57	14.48									0.89	22.61
16	01	16	01	16 / 17	1.41	35.71	0.51	12.95	0.98	24.89	1.26	32.00	1.75	44.45	1.68	42.62	0.82	20.83
	02		02				0.64	16.26									0.95	24.13
18	01	18	01	18 / 19	1.52	38.51	0.64	16.26	0.98	24.89	1.27	32.26	1.88	47.63	1.73	44.02	0.95	24.13
	02		02				0.76	19.30									1.07	27.18
20	01	20	01	20 / 21	1.64	41.68	0.64	16.26	1.01	25.65	1.30	33.02	1.94	49.23	1.80	45.62	0.95	24.13
	02		02				0.82	20.83									1.13	28.07
22	01	22	01	22 / 23	1.77	44.86	0.70	17.78	1.04	26.42	1.33	33.78	2.06	52.37	1.86	47.22	1.02	25.99
	02		02				0.95	24.13									1.26	32.00
24	01	24	01	24 / 25	1.89	48.03	0.76	19.30	1.07	27.18	1.35	34.29	2.13	53.98	1.92	48.74	1.07	27.18
	02		02				1.01	25.65									1.32	33.53

Connector Group - L

Straight, 90°, 45°



Amphenol Part Number

BL1 X X L 99 99 9 X X

Series

Angle

S: straight
A: 90deg
B: 45deg

Coupling

R: spin
S: Self lock

Connector group

Finish: see Table-2

B: With band
X: Without band

Length
9 - for standard
Length in table / figure

Entry size
See Table-A

Shell size
See Table-A

MIL Part Number

M85049 / 99 - 99 X 9

MIL Series

Slash sheet
88 : Straight, self lock
90: 90deg, self lock
89: 45deg, self lock

Entry size:
See Table-A

Finish:
See Table-2

Shell size:
See Table-A

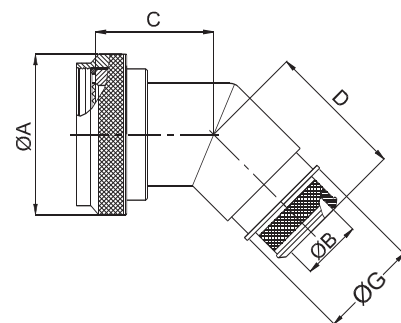
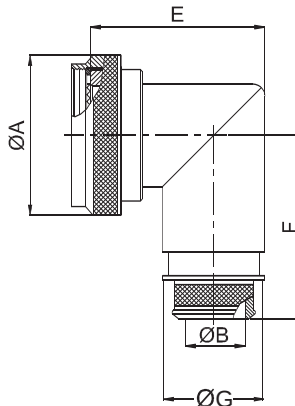
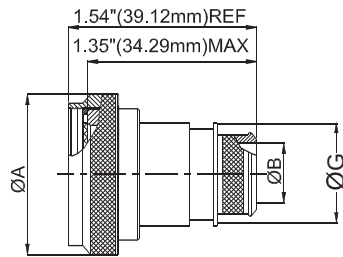
NOTE: * For more cable entry and length options, contact factory

TABLE - A

TABLE - A																		
AMPHENOL PART NUMBER DESIGNATOR		MIL PART NUMBER DESIGNATOR		CONNECTOR SHELL SIZE/CODE	A DIA. (MAX)		B DIA.		C (MAX)		D (MAX)		E (MAX)		F (MAX.)		G (MAX)	
							+0.00 -0.02	+0.00 -0.50										
SHELL SIZE	ENTRY SIZE	CONNECTOR SHELL SIZE	ENTRY SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	09	02	09 / A	0.86	21.82	N/A	N/A	1.01	25.65	1.16	29.46	1.38	34.93	1.42	35.99	N/A	N/A
	02		03				0.26	6.60									0.56	14.22
10	01	11	02	11 / B	0.99	25.04	N/A	N/A	1.03	26.16	1.19	30.23	1.44	36.50	1.48	37.59	N/A	N/A
	02		03				0.32	8.13									0.63	16.00
12	01	13	02	13 / C	1.16	29.36	0.32	8.13	1.06	26.92	1.21	30.73	1.56	39.67	1.55	39.45	0.63	16.00
	02		03				0.45	11.43									0.75	19.05
14	01	15	02	15 / D	1.28	32.54	0.45	11.43	1.08	27.43	1.24	31.50	1.69	42.85	1.61	41.00	0.75	19.05
	02		03				0.57	14.48									0.89	22.61
16	01	17	02	17 / E	1.41	35.71	0.51	12.95	1.11	28.19	1.26	32.00	1.75	44.45	1.68	42.62	0.82	20.83
	02		03				0.64	16.26									0.95	24.13
18	01	19	02	19 / F	1.52	38.51	0.64	16.26	1.12	28.45	1.27	32.26	1.88	47.63	1.77	45.03	0.95	24.13
	02		03				0.76	19.30									1.07	27.18
20	01	21	02	21 / G	1.64	41.68	0.64	16.26	1.15	29.21	1.30	33.02	1.94	49.23	1.80	45.62	0.95	24.13
	02		03				0.82	20.83									1.13	28.07
22	01	23	02	23 / H	1.77	44.86	0.70	17.78	1.17	29.72	1.33	33.78	2.06	52.37	1.86	47.22	1.02	25.99
	02		03				0.95	24.13									1.26	32.00
24	01	25	02	25 / J	1.89	48.03	0.76	19.30	1.20	30.48	1.35	34.29	2.13	53.98	1.92	48.74	1.07	27.18
	02		03				1.01	25.65									1.32	33.53

Connector Group - M

Straight, 90°, 45°



Amphenol Part Number

BL1 X X M 99 99 9 X X

Series

Angle

S: straight

A: 90deg

B: 45deg

Coupling

R: spin

S: Self lock

Connector group

Finish: see Table-2

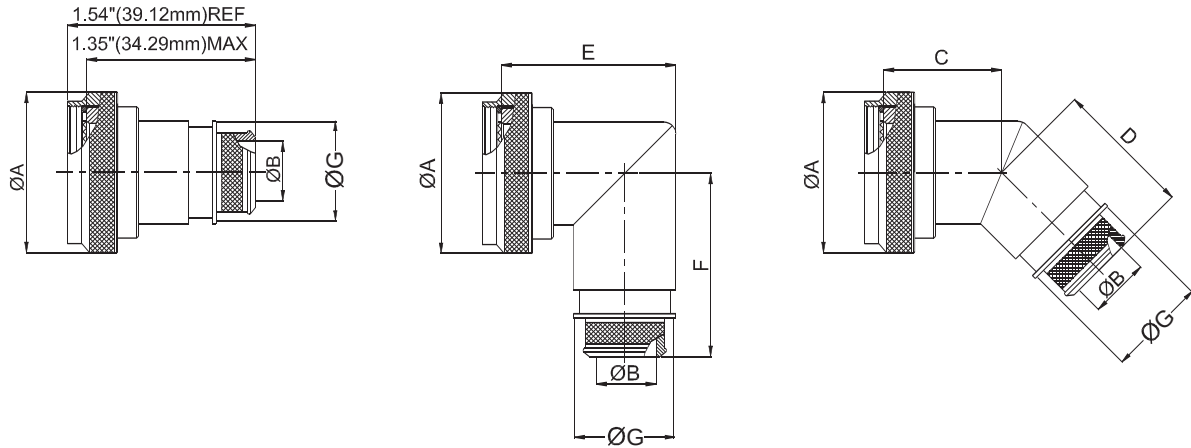
B: With band
X: Without bandLength
9 - for standard
Length in table / figureEntry size
See Table-AShell size
See Table-A**NOTE:** * For more cable entry and length options, contact factory

TABLE - A

AMPHENOL PART NUMBER DESIGNATOR		CONNECTOR SHELL SIZE	A DIA. (MAX)		B DIA.		C (MAX)		D (MAX)		E (MAX)		F (MAX)		G (MAX)	
					+0.00 -0.02	+0.00 -0.50										
SHELL SIZE	ENTRY SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	8 / 9	0.86	21.82	N/A	N/A	0.87	22.10	1.16	29.46	1.38	34.93	1.42	35.99	N/A	N/A
	02				0.26	6.60									0.56	14.22
10	01	10 / 11	0.99	25.04	N/A	N/A	0.90	22.86	1.19	30.23	1.44	36.50	1.48	37.59	N/A	N/A
	02				0.32	8.13									0.63	16.00
12	01	12 / 13	1.16	29.36	0.32	8.13	0.92	23.37	1.21	30.73	1.56	39.67	1.55	39.45	0.63	16.00
	02				0.45	11.43									0.75	19.05
14	01	14 / 15	1.28	32.54	0.45	11.43	0.95	24.13	1.24	31.50	1.69	42.85	1.61	41.00	0.75	19.05
	02				0.57	14.48									0.89	22.61
16	01	16 / 17	1.41	35.71	0.51	12.95	0.98	24.89	1.26	32.00	1.75	44.45	1.68	42.62	0.82	20.83
	02				0.64	16.26									0.95	24.13
18	01	18 / 19	1.52	38.51	0.64	16.26	0.98	24.89	1.27	32.26	1.88	47.63	1.73	44.02	0.95	24.13
	02				0.76	19.30									1.07	27.18
20	01	20 / 21	1.64	41.68	0.64	16.26	1.01	25.65	1.30	33.02	1.94	49.23	1.80	45.62	0.95	24.13
	02				0.82	20.83									1.13	28.07
22	01	22 / 23	1.77	44.86	0.70	17.78	1.04	26.42	1.33	33.78	2.06	52.37	1.86	47.22	1.02	25.99
	02				0.95	24.13									1.26	32.00
24	01	24 / 25	1.89	48.03	0.76	19.30	1.07	27.18	1.35	34.29	2.13	53.98	1.92	48.74	1.07	27.18
	02				1.01	25.65									1.32	33.53

Connector Group - N

Straight, 90°, 45°



Amphenol Part Number

BL1 X X N 99 99 9 X X

Series ——— BL1

Angle ——— X
S: straight
A: 90deg
B: 45deg

Coupling ——— X
R: spin
S: Self lock

Connector group ——— N

Finish: see Table-2 ——— X

B: With band
X: Without band

Length ——— 99
9 - for standard
Length in table / figure

Entry size ——— 9
See Table-A

Shell size ——— X
See Table-A

NOTE: * For more cable entry and length options, contact factory

TABLE - A																
AMPHENOL PART NUMBER DESIGNATOR		CONNECTOR SHELL SIZE	A DIA. (MAX)		B DIA.		C (MAX)		D (MAX)		E (MAX)		F (MAX)		G (MAX)	
					+0.00 -0.02	+0.00 -0.50										
SHELL SIZE	ENTRY SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	8 / 9	0.86	21.82	N/A	N/A	0.87	22.10	1.16	29.46	1.38	34.93	1.42	35.99	N/A	N/A
	02				0.26	6.60									0.56	14.22
10	01	10 / 11	0.99	25.04	N/A	N/A	0.90	22.86	1.19	30.23	1.44	36.50	1.48	37.59	N/A	N/A
	02				0.32	8.13									0.63	16.00
12	01	12 / 13	1.16	29.36	0.32	8.13	0.92	23.37	1.21	30.73	1.56	39.67	1.55	39.45	0.63	16.00
	02				0.45	11.43									0.75	19.05
14	01	14 / 15	1.28	32.54	0.45	11.43	0.95	24.13	1.24	31.50	1.69	42.85	1.61	41.00	0.75	19.05
	02				0.57	14.48									0.89	22.61
16	01	16 / 17	1.41	35.71	0.51	12.95	0.98	24.89	1.26	32.00	1.75	44.45	1.68	42.62	0.82	20.83
	02				0.64	16.26									0.95	24.13
18	01	18 / 19	1.52	38.51	0.64	16.26	0.98	24.89	1.27	32.26	1.88	47.63	1.73	44.02	0.95	24.13
	02				0.76	19.30									1.07	27.18
20	01	20 / 21	1.64	41.68	0.64	16.26	1.01	25.65	1.30	33.02	1.94	49.23	1.80	45.62	0.95	24.13
	02				0.82	20.83									1.13	28.07
22	01	22 / 23	1.77	44.86	0.70	17.78	1.04	26.42	1.33	33.78	2.06	52.37	1.86	47.22	1.02	25.99
	02				0.95	24.13									1.26	32.00
24	01	24 / 25	1.89	48.03	0.76	19.30	1.07	27.18	1.35	34.29	2.13	53.98	1.92	48.74	1.07	27.18
	02				1.01	25.65									1.32	33.53

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Amphenol:

[M85049/27-10W](#) [M85049/27-14W](#) [M85049/27-20W](#) [M85049/27-22W](#) [M85049/31-14N](#) [M85049/31-14W](#)
[M85049/31-18N](#) [M85049/31-20N](#) [M85049/31-20W](#) [M85049/31-22N](#) [M85049/31-24N](#) [M85049/82-12N03](#) [M85049/82-18N03](#) [M85049/82-18W03](#) [M85049/83-20W03](#) [M85049/84-12N03](#) [M85049/84-18W03](#) [M85049/84-22W02](#)
[M85049/84-22W03](#) [M85049/85-14W01](#) [M85049/85-14W02](#) [M85049/85-16W02](#) [M85049/85-24W02](#) [M85049/87-14W02](#) [M85049/87-16W02](#) [M85049/88-11N03](#) [M85049/88-11W03](#) [M85049/88-13N03](#) [M85049/88-13W03](#)
[M85049/88-15N03](#) [M85049/88-15W02](#) [M85049/88-15W03](#) [M85049/88-17N02](#) [M85049/88-17N03](#) [M85049/88-17W02](#) [M85049/88-19N03](#) [M85049/88-19W03](#) [M85049/88-21N03](#) [M85049/88-23N03](#) [M85049/88-25N02](#) [M85049/88-9N03](#)
[M85049/88-9W03](#) [M85049/89-11W03](#) [M85049/89-13W02](#) [M85049/89-15W03](#) [M85049/89-17N03](#) [M85049/89-17W03](#) [M85049/90-13N03](#) [M85049/90-15W02](#) [M85049/90-17W02](#) [M85049/90-19N03](#) [M85049/90-19W02](#)
[M85049/90-21W02](#) [M85049/90-23W03](#) [M85049/90-25W02](#) [M85049/90-9N03](#) [M85049/90-19N02](#) [M85049/88-17W03](#) [M85049/90-9W03](#) [M85049/90-15W03](#) [M85049/90-11W03](#) [M85049/88-21W02](#)