NON-ENVIRONMENTAL EMI / RFI BACKSHELL

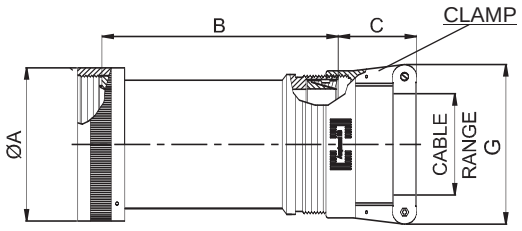
360-degree screen termination facility is offered in this Backshell in addition to other features of the Non-Environmental type. Available in straight, 90 degree bent and 45 degree bent varieties, it accommodates both individual and overall shielding.

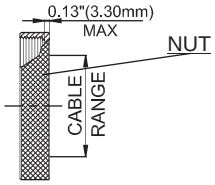
For Connector Group	Page No.
J ➡	III-1 - III-7
K ➡	III-8 - III-12
L ➡	III-13 - III-17
M ➡	III-18 - III-23
N ➡	III-24 - III-29

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





Amphenol Part Number

BM1 S X J 99 99 9 X X

- Series
- Angle: S: straight
- Coupling: R: spin, D: direct
- Connector group
- Shell size: See Table-A
- Entry size: See Table-A
- Length code constant: See Table-A
- End clamp: C: clamp, N: nut
- Finish: see Table-2

MIL Part Number

M85049 / 99 9 X

- MIL Series
- Slash sheet: 25: Straight, spin coupling
- Dash Number: See Table-A
- Finish: See Table-2

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 (MAX)		C (REF)		G (MAX)		CABLE RANGE			
													MIN		MAX	
SHELL SIZE	ENTRY SIZE	LENGTH	DASH NO		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	1	5	8	0.62	15.67	2.13	54.10	1.03	26.09	0.96	24.31	0.13	3.18	0.25	6.35
		2	6		0.62	15.67	3.13	79.50	1.03	26.09	0.96	24.31	0.13	3.18	0.25	6.35
	02	1	7*		0.62	15.67	2.88	73.15	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
		2	8*		0.62	15.67	3.88	98.55	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
10	01	1	9	10	0.73	18.64	2.13	54.10	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
		2	10		0.73	18.64	3.13	79.50	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
	02	1	11*		0.73	18.64	2.88	73.15	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
		2	12*		0.73	18.64	3.88	98.55	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
	03	1	136		0.73	18.64	2.13	54.10	1.03	26.09	1.15	29.08	0.25	6.35	0.38	9.53
		2	137		0.73	18.64	3.13	79.50	1.03	26.09	1.15	29.08	0.25	6.35	0.38	9.53
12	01	1	13	7/12	0.86	21.79	2.13	54.10	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
		2	14		0.86	21.79	3.13	79.50	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
	02	1	15*		0.86	21.79	2.88	73.15	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
		2	16*		0.86	21.79	3.88	98.55	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
	03	1	111		0.86	21.79	2.13	54.10	1.03	26.09	1.33	33.83	0.35	8.89	0.50	12.70
	04	1	114		0.86	21.79	2.13	54.10	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
		2	115		0.86	21.79	3.13	79.50	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
	05	1	138		0.86	21.79	2.13	54.10	1.03	26.09	1.33	33.83	0.35	8.89	0.50	12.70
		2	139		0.86	21.79	3.13	79.50	1.03	26.09	1.33	33.83	0.35	8.89	0.50	12.70
14	01	1	17	12/14	0.98	24.99	2.13	54.10	1.03	26.09	1.33	33.83	0.35	8.89	0.58	14.61
		2	18		0.98	24.99	3.13	79.50	1.03	26.09	1.33	33.83	0.35	8.89	0.58	14.61
	02	1	19*		0.98	24.99	2.88	73.15	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
		2	20*		0.98	24.99	3.88	98.55	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
	03	1	116		0.98	24.99	2.13	54.10	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
		2	117		0.98	24.99	3.13	79.50	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
	04	1	150		0.98	24.99	2.13	54.10	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
		2	151		0.98	24.99	3.13	79.50	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92

Table Continued

Amphenol Non-Environmental EMI / RFI Backshell

Connector Group - J

Straight

TABLE - A

AMPHENOL PART NUMBER DESIGNATOR			MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE	A DIA. (MAX)		B (MAX)		C (REF)		G (MAX)		CABLE RANGE			
													MIN		MAX	
SHELL SIZE	ENTRY SIZE	LENGTH	DASH NO		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
16	01	1	21	19/16	1.11	28.24	2.13	54.10	1.06	26.90	1.55	39.40	0.50	12.70	0.70	17.78
		2	22		1.11	28.24	3.13	79.50	1.06	26.90	1.55	39.40	0.50	12.70	0.70	17.78
	02	1	23*		1.11	28.24	2.88	73.15	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
		2	24*		1.11	28.24	3.88	98.55	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
	03	1	112		1.11	28.24	2.13	54.10	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
		2	113		1.11	28.24	3.13	79.50	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
	04	1	118		1.11	28.24	2.13	54.10	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
		2	119		1.11	28.24	3.13	79.50	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
	05	1	152		1.11	28.24	2.13	54.10	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
		2	153		1.11	28.24	3.13	79.50	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
18	01	1	25	27/18	1.22	30.94	2.13	54.10	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
		2	26		1.22	30.94	3.13	79.50	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
	02	1	27		1.22	30.94	2.13	54.10	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
		2	28		1.22	30.94	3.13	79.50	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
	03	1	29*		1.22	30.94	2.88	73.15	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
		2	30*		1.22	30.94	3.88	98.55	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
	04	1	120		1.22	30.94	2.13	54.10	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
		2	121		1.22	30.94	3.13	79.50	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
	05	1	122		1.22	30.94	2.13	54.10	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
		2	123		1.22	30.94	3.13	79.50	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
20	01	1	31	37/20	1.35	34.16	3.13	79.50	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
		2	32		1.35	34.16	4.13	104.90	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
	02	1	33		1.35	34.16	3.13	79.50	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
		2	34		1.35	34.16	4.13	104.90	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
	03	1	35*		1.35	34.16	3.88	98.55	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
		2	36*		1.35	34.16	4.88	123.95	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
	04	1	37*		1.35	34.16	3.88	98.55	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
		2	38*		1.35	34.16	4.88	123.95	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
	05	1	124		1.35	34.16	3.13	79.50	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
		2	125		1.35	34.16	4.13	104.90	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
	06	1	140		1.35	34.16	3.13	79.50	1.16	29.36	1.77	44.96	0.63	15.88	0.90	22.96
		2	141		1.35	34.16	4.13	104.90	1.16	29.36	1.77	44.96	0.63	15.88	0.90	22.96
22	01	1	39	22	1.47	37.29	3.13	79.50	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
		2	40		1.47	37.29	4.13	104.90	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
	02	1	41		1.47	37.29	3.13	79.50	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
		2	42		1.47	37.29	4.13	104.90	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
	03	1	43		1.47	37.29	3.13	79.50	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
		2	44		1.47	37.29	4.13	104.90	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
	04	1	45*		1.47	37.29	3.88	98.55	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
		2	46*		1.47	37.29	4.88	123.95	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
	05	1	126		1.47	37.29	3.13	79.50	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
		2	127		1.47	37.29	4.13	104.90	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
	06	1	128		1.47	37.29	3.13	79.50	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
		2	129		1.47	37.29	4.13	104.90	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
	07	1	142		1.47	37.29	3.13	79.50	1.38	34.93	2.11	53.67	0.88	22.23	1.03	26.14
		2	143		1.47	37.29	4.13	104.90	1.38	34.93	2.11	53.67	0.88	22.23	1.03	26.14
24	01	1	47	24	1.59	40.46	3.13	79.50	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
		2	48		1.59	40.46	4.13	104.90	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
	02	1	49		1.59	40.46	3.13	79.50	1.16	29.36	1.77	44.96	0.63	15.88	0.81	20.62
		2	50		1.59	40.46	4.13	104.90	1.16	29.36	1.77	44.96	0.63	15.88	0.81	20.62
	03	1	51		1.59	40.46	3.13	79.50	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
		2	52		1.59	40.46	4.13	104.90	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
	04	1	53*		1.59	40.46	3.88	98.55	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
		2	54*		1.59	40.46	4.88	123.95	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
	05	1	130		1.59	40.46	3.13	79.50	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
		2	131		1.59	40.46	4.13	104.90	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
	06	1	144		1.59	40.46	3.13	79.50	1.38	34.93	2.11	53.67	0.88	22.23	1.14	29.06
		2	145		1.59	40.46	4.13	104.90	1.38	34.93	2.11	53.67	0.88	22.23	1.14	29.06

Table Continued

Connector Group - J

Straight

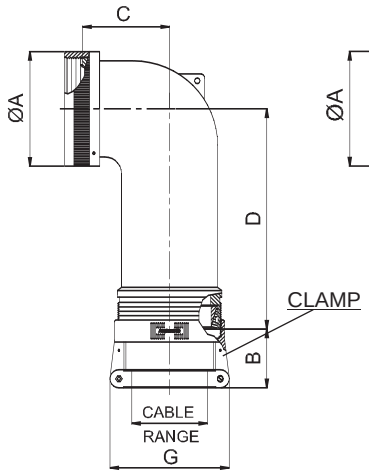
TABLE - A

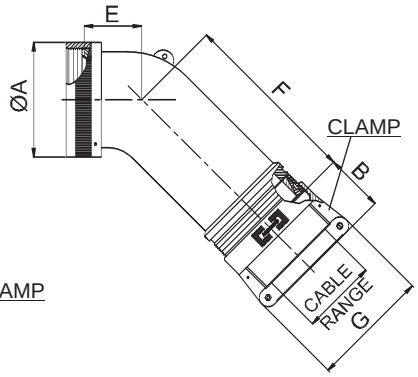
AMPHENOL PART NUMBER DESIGNATOR			MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE	A DIA. (MAX)		B (MAX)		C (REF)		G (MAX)		CABLE RANGE			
													MIN		MAX	
SHELL SIZE	ENTRY SIZE	LENGTH	DASH NO		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
28	01	1	55	28	1.97	50.01	3.13	79.50	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
		2	56		1.97	50.01	4.13	104.90	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
	02	1	57		1.97	50.01	3.13	79.50	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
		2	58		1.97	50.01	4.13	104.90	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
	03	1	59		1.97	50.01	3.13	79.50	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
		2	60		1.97	50.01	4.13	104.90	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
	04	1	61		1.97	50.01	3.13	79.50	1.50	38.10	23.63	600.20	1.00	25.40	1.38	34.93
		2	62		1.97	50.01	4.13	104.90	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93
32	01	1	63	32	2.22	56.36	3.13	79.50	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
		2	64		2.22	56.36	4.13	104.90	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
	02	1	65		2.22	56.36	3.13	79.50	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
		2	66		2.22	56.36	4.13	104.90	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
	03	1	67		2.22	56.36	3.13	79.50	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93
		2	68		2.22	56.36	4.13	104.90	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93
	04	1	69		2.22	56.36	3.13	79.50	1.78	45.24	2.77	70.36	1.25	31.75	1.63	41.28
		2	70		2.22	56.36	4.13	104.90	1.78	45.24	2.77	70.36	1.25	31.75	1.63	41.28
36	01	1	71	36	2.47	62.71	4.13	104.90	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
		2	72		2.47	62.71	5.13	130.30	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
	02	1	73		2.47	62.71	4.13	104.90	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93
		2	74		2.47	62.71	5.13	130.30	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93
	03	1	75		2.47	62.71	4.13	104.90	1.78	45.24	2.77	70.36	1.25	31.75	1.63	41.28
		2	76		2.47	62.71	5.13	130.30	1.78	45.24	2.77	70.36	1.25	31.75	1.63	41.28
	04	1	77*		2.47	62.71	5.01	127.25	1.83	46.48	3.02	76.71	1.44	36.50	1.88	47.63
		2	78*		2.47	62.71	6.01	152.65	1.83	46.48	3.02	76.71	1.44	36.50	1.88	47.63
	05	1	132		2.47	62.71	4.13	104.90	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
		2	133		2.47	62.71	5.13	130.30	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
	06	1	146		2.47	62.71	4.13	104.90	1.83	46.48	3.02	76.71	1.44	36.50	1.84	46.74
		2	147		2.47	62.71	5.13	130.30	1.83	46.48	3.02	76.71	1.44	36.50	1.84	46.74
	07	1	148		2.47	62.71	4.13	104.90	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
		2	149		2.47	62.71	5.13	130.30	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
40	01	1	79	40	2.72	69.06	4.13	104.90	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
		2	80		2.72	69.06	5.13	130.30	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
	02	1	81		2.72	69.06	4.13	104.90	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93
		2	82		2.72	69.06	5.13	130.30	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93
	03	1	83		2.72	69.06	4.13	104.90	1.78	45.24	2.77	70.36	1.25	31.75	1.63	41.28
		2	84		2.72	69.06	5.13	130.30	1.78	45.24	2.77	70.36	1.25	31.75	1.63	41.28
	04	1	85		2.72	69.06	4.13	104.90	1.83	46.48	3.02	76.71	1.44	36.50	1.88	47.63
		2	86		2.72	69.06	5.13	130.30	1.83	46.48	3.02	76.71	1.44	36.50	1.88	47.63
	05	1	134		2.72	69.06	4.13	104.90	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
		2	135		2.72	69.06	5.13	130.30	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
	06	1	156		2.72	69.06	4.13	104.90	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
		2	157		2.72	69.06	5.13	130.30	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
44	01	1	87	44	2.97	75.41	4.13	104.90	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
		2	88		2.97	75.41	5.13	130.30	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
	02	1	89		2.97	75.41	4.13	104.90	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93
		2	90		2.97	75.41	5.13	130.30	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93
	03	1	91		2.97	75.41	4.13	104.90	1.78	45.24	2.77	70.36	1.25	31.75	1.63	41.28
		2	92		2.97	75.41	5.13	130.30	1.78	45.24	2.77	70.36	1.25	31.75	1.63	41.28
	04	1	93		2.97	75.41	4.13	104.90	1.83	46.48	3.02	76.71	1.44	36.50	1.88	47.63
		2	94		2.97	75.41	5.13	130.30	1.83	46.48	3.02	76.71	1.44	36.50	1.88	47.63
	05	1	154		2.97	75.41	4.13	104.90	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
		2	155		2.97	75.41	5.13	130.30	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
48	01	1	95	48	3.22	81.76	4.13	104.90	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
		2	96		3.22	81.76	5.13	130.30	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
	02	1	97		3.22	81.76	4.13	104.90	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93
		2	98		3.22	81.76	5.13	130.30	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93
	03	1	99		3.22	81.76	4.13	104.90	1.78	45.24	2.77	70.36	1.25	31.75	1.63	41.28
		2	100		3.22	81.76	5.13	130.30	1.78	45.24	2.77	70.36	1.25	31.75	1.63	41.28
	04	1	101		3.22	81.76	4.13	104.90	1.83	46.48	3.02	76.71	1.44	36.50	1.88	47.63
		2	102		3.22	81.76	5.13	130.30	1.83	46.48	3.02	76.71	1.44	36.50	1.88	47.63

Amphenol Non-Environmental EMI / RFI Backshell

Connector Group - J

90°, 45°

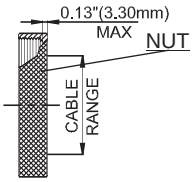




Amphenol Part Number

BM1 X X J 99 99 9 X X

- Series
- Angle: A: 90deg, B: 45deg
- Coupling: R: spin
- Connector group
- Shell size: See Table-B
- Entry size: See Table-B
- Length: 9:Not applicable
- End clamp: C: clamp, N: nut
- Finish: see Table-2



MIL Part Number

M85049 / 99 9 X

- MIL Series
- Slash sheet: 24: 90deg, spin coupling; 23: 45deg, spin coupling
- Dash Number: See Table-B
- Finish: See Table-2

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

TABLE - B

AMPHENOL PART NUMBER DESIGNATOR		MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE	A DIA. (MAX)		B (REF)		C (MAX)		D (MAX)		E (MAX)	
SHELL SIZE	ENTRY SIZE	DASH NO		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	3	8	0.62	15.67	1.03	26.09	0.67	17.02	1.26	32.00	0.63	16.00
10	01	4	10	0.73	18.64	1.03	26.09	0.76	19.30	1.98	50.29	0.69	17.53
	02	49*		0.73	18.64	1.03	26.09	1.52	38.61	2.00	50.80	1.50	38.10
	03	5		0.73	18.64	1.03	26.09	0.76	19.30	1.38	35.05	0.69	17.53
12	01	6	7/12	0.86	21.79	1.03	26.09	0.77	19.56	2.00	50.80	0.75	19.05
	02	71*		0.86	21.79	1.03	26.09	1.81	45.97	2.16	54.86	1.65	41.91
	03	7		0.86	21.79	1.03	26.09	0.77	19.56	2.00	50.80	0.75	19.05
	04	8		0.86	21.79	1.03	26.09	0.77	19.56	1.40	35.56	0.75	19.05
14	01	9	12/14	0.98	24.99	1.03	26.09	0.87	22.10	2.07	52.58	0.81	20.57
	02	10		0.98	24.99	1.03	26.09	0.87	22.10	1.72	43.69	0.81	20.57
	03	50*		0.98	24.99	1.06	26.90	1.89	48.01	2.33	59.18	1.84	46.74
	04	74		0.98	24.99	1.03	26.09	0.87	22.10	2.07	52.58	0.81	20.57
16	01	11	19/16	1.11	28.24	1.03	26.09	1.05	26.67	2.16	54.86	0.91	23.11
	02	12		1.11	28.24	1.06	26.90	1.05	26.67	1.81	45.97	0.91	23.11
	03	40		1.11	28.24	1.03	26.09	1.05	26.67	2.16	54.86	0.91	23.11
	04	51*		1.11	28.24	1.16	29.36	2.04	51.82	2.44	61.98	1.94	49.28
	05	75		1.11	28.24	1.03	26.09	1.05	26.67	2.16	54.86	0.91	23.11

Table Continued

Connector Group - J

90^0, 45^0

TABLE - B

AMPHENOL PART NUMBER DESIGNATOR		MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE	A DIA. (MAX)		B (REF)		C (MAX)		D (MAX)		E (MAX)	
SHELL SIZE	ENTRY SIZE	DASH NO		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
18	01	13	27/18	1.22	30.94	1.03	26.09	1.14	28.96	2.33	59.18	1.09	27.69
	02	14		1.22	30.94	1.16	29.36	1.14	28.96	1.98	50.29	1.09	27.69
	03	41		1.22	30.94	1.03	26.09	1.14	28.96	2.33	59.18	1.09	27.69
	04	42		1.22	30.94	1.03	26.09	1.14	28.96	2.33	59.18	1.09	27.69
	05	52		1.22	30.94	1.06	26.90	1.14	28.96	2.33	59.18	1.09	27.69
	06	72*		1.22	30.94	1.16	29.36	2.05	52.07	2.44	61.98	1.94	49.28
20	01	15	37/20	1.35	34.16	1.03	26.09	1.14	28.96	2.33	59.18	1.09	27.69
	02	16		1.35	34.16	1.16	29.36	1.14	28.96	1.98	50.29	1.09	27.69
	03	43		1.35	34.16	1.03	26.09	1.14	28.96	2.33	59.18	1.09	27.69
	04	54		1.35	34.16	1.06	26.90	1.14	28.96	2.33	59.18	1.09	27.69
	05	55		1.35	34.16	1.38	34.93	2.14	54.36	2.61	66.29	2.06	52.32
22	01	17	22	1.47	37.29	1.06	26.90	1.29	32.77	2.44	61.98	1.19	30.23
	02	18		1.47	37.29	1.38	34.93	1.29	32.77	2.09	53.09	1.19	30.23
	03	44		1.47	37.29	1.03	26.09	1.29	32.77	2.44	61.98	1.19	30.23
	04	45		1.47	37.29	1.03	26.09	1.29	32.77	2.44	61.98	1.19	30.23
	05	56		1.47	37.29	1.03	26.09	1.29	32.77	2.44	61.98	1.19	30.23
	06	57		1.47	37.29	1.16	29.36	1.29	32.77	2.44	61.98	1.19	30.23
	07	58*		1.47	37.29	1.38	34.93	2.14	54.36	2.61	66.29	2.06	52.32
24	01	19	24	1.59	40.46	1.06	26.90	1.29	32.77	2.44	61.98	1.19	30.23
	02	20		1.59	40.46	1.38	34.93	1.29	32.77	2.09	53.09	1.19	30.23
	03	46		1.59	40.46	1.03	26.09	1.29	32.77	2.44	61.98	1.19	30.23
	04	59		1.59	40.46	1.16	29.36	1.29	32.77	2.44	61.98	1.19	30.23
	05	73*		1.59	40.46	1.38	34.93	2.15	54.61	2.61	66.29	2.06	52.32
28	01	21	28	1.97	50.01	1.16	29.36	1.39	35.31	2.61	66.29	1.31	33.27
	02	22		1.97	50.01	1.50	38.10	1.39	35.31	2.26	57.40	1.31	33.27
	03	60		1.97	50.01	1.06	26.90	1.39	35.31	2.61	66.29	1.31	33.27
	04	61		1.97	50.01	1.38	34.93	1.39	35.31	2.61	66.29	1.31	33.27
32	01	23	32	2.22	56.36	1.16	29.36	1.74	44.20	2.86	72.64	1.38	35.05
	02	24		2.22	56.36	1.38	34.93	1.74	44.20	2.86	72.64	1.38	35.05
	03	25		2.22	56.36	1.78	45.24	1.74	44.20	2.51	63.75	1.38	35.05
	04	62		2.22	56.36	1.50	38.10	1.74	44.20	2.86	72.64	1.38	35.05
36	01	26	36	2.47	62.71	1.16	29.36	1.94	49.28	2.83	71.88	1.41	35.81
	02	27		2.47	62.71	1.50	38.10	1.94	49.28	2.83	71.88	1.41	35.81
	03	28		2.47	62.71	1.83	46.48	1.94	49.28	2.48	62.99	1.41	35.81
	04	47		2.47	62.71	1.06	26.90	1.94	49.28	2.83	71.88	1.41	35.81
	05	63		2.47	62.71	1.38	34.93	1.94	49.28	2.83	71.88	1.41	35.81
	06	64		2.47	62.71	1.78	45.24	1.94	49.28	2.83	71.88	1.41	35.81
40	01	29	40	2.72	69.06	1.16	29.36	2.69	68.33	2.83	71.88	2.16	54.86
	02	30		2.72	69.06	1.50	38.10	2.69	68.33	2.83	71.88	2.16	54.86
	03	31		2.72	69.06	1.83	46.48	2.69	68.33	2.48	62.99	2.16	54.86
	04	48		2.72	69.06	1.06	26.90	1.94	49.28	2.83	71.88	2.16	54.86
	05	65		2.72	69.06	1.38	34.93	2.69	68.33	2.83	71.88	2.16	54.86
	06	66		2.72	69.06	1.78	45.24	2.69	68.33	2.83	71.88	2.16	54.86
44	01	32	44	2.97	75.41	1.16	29.36	2.69	68.33	2.83	71.88	2.16	54.86
	02	33		2.97	75.41	1.50	38.10	2.69	68.33	2.83	71.88	2.16	54.86
	03	34		2.97	75.41	1.83	46.48	2.69	68.33	2.48	62.99	2.16	54.86
	04	67		2.97	75.41	1.38	34.93	2.69	68.33	2.83	71.88	2.16	54.86
	05	68		2.97	75.41	1.78	45.24	2.69	68.33	2.83	71.88	2.16	54.86
48	01	35	48	3.22	81.76	1.16	29.36	2.69	68.33	2.83	71.88	2.16	54.86
	02	36		3.22	81.76	1.50	38.10	2.69	68.33	2.83	71.88	2.16	54.86
	03	37		3.22	81.76	1.83	46.48	2.69	68.33	2.48	62.99	2.16	54.86
	04	69		3.22	81.76	1.38	34.93	2.69	68.33	2.83	71.88	2.16	54.86
	05	70		3.22	81.76	1.78	45.24	2.69	68.33	2.83	71.88	2.16	54.86

Table Continued

Amphenol Non-Environmental EMI / RFI Backshell

Connector Group - J

90°, 45°

TABLE - B

AMPHENOL PART NUMBER DESIGNATOR		MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE	F (MAX)		G (MAX)		CABLE RANGE			
								MIN		MAX	
SHELL SIZE	ENTRY SIZE	DASH NO		INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	3	8	1.25	31.75	0.96	24.31	0.13	3.18	0.25	6.35
10	01	4	10	1.92	48.77	0.96	24.31	0.13	3.18	0.31	7.92
	02	49*		1.98	50.29	1.15	29.08	0.25	6.35	0.44	11.10
	03	5		1.31	33.27	1.15	29.08	0.25	6.35	0.38	9.53
12	01	6	7/12	1.98	50.29	0.96	24.31	0.13	3.18	0.31	7.92
	02	71*		2.18	55.37	1.33	33.83	0.35	8.89	0.63	15.88
	03	7		1.98	50.29	1.15	29.08	0.25	6.35	0.44	11.10
	04	8		1.98	50.29	1.33	33.83	0.35	8.89	0.50	12.70
14	01	9	12/14	2.07	52.58	1.15	29.08	0.25	6.35	0.44	11.10
	02	10		1.72	43.69	1.33	33.83	0.35	8.89	0.58	14.61
	03	50*		2.37	60.20	1.55	39.40	0.50	12.70	0.75	19.05
	04	74		2.07	52.58	0.96	24.31	0.13	3.18	0.31	7.92
16	01	11	19/16	2.18	55.37	1.15	29.08	0.25	6.35	0.44	11.10
	02	12		1.82	46.23	1.55	39.40	0.50	12.70	0.70	17.78
	03	40		2.18	55.37	1.33	33.83	0.35	8.89	0.63	15.88
	04	51*		2.52	64.01	1.77	44.96	0.63	15.88	0.94	23.80
	05	75		2.18	55.37	0.96	24.31	0.13	3.18	0.31	7.92
18	01	13	27/18	2.37	60.20	1.33	33.83	0.35	8.89	0.63	15.88
	02	14		2.00	50.80	1.77	44.96	0.63	15.88	0.78	19.79
	03	41		2.37	60.20	0.96	24.31	0.13	3.18	0.31	7.92
	04	42		2.37	60.20	1.15	29.08	0.25	6.35	0.44	11.10
	05	52		2.37	60.20	1.55	39.40	0.50	12.70	0.75	19.05
	06	72*		2.52	64.01	1.77	44.96	0.63	15.88	0.94	23.80
20	01	15	37/20	2.37	60.20	1.33	33.83	0.35	8.89	0.63	15.88
	02	16		2.00	50.80	1.77	44.96	0.63	15.88	0.90	22.96
	03	43		2.37	60.20	1.15	29.08	0.25	6.35	0.44	11.10
	04	54		2.37	60.20	1.55	39.40	0.50	12.70	0.75	19.05
	05	55		2.57	65.28	2.11	53.67	0.88	22.23	1.25	31.75
22	01	17	22	2.52	64.01	1.55	39.40	0.50	12.70	0.75	19.05
	02	18		2.16	54.86	2.11	53.67	0.88	22.23	1.03	26.14
	03	44		2.52	64.01	0.96	24.31	0.13	3.18	0.31	7.92
	04	45		2.52	64.01	1.15	29.08	0.25	6.35	0.44	11.10
	05	56		2.52	64.01	1.33	33.83	0.35	8.89	0.63	15.88
	06	57		2.52	64.01	1.77	44.96	0.63	15.88	0.94	23.80
	07	58*		2.57	65.28	2.11	53.67	0.88	22.23	1.25	31.75
24	01	19	24	2.52	64.01	1.55	39.40	0.50	12.70	0.75	19.05
	02	20		2.16	54.86	2.11	53.67	0.88	22.23	1.14	29.06
	03	46		2.52	64.01	1.33	33.83	0.35	8.89	0.63	15.88
	04	59		2.52	64.01	1.77	44.96	0.63	15.88	0.94	23.80
	05	73*		2.57	65.28	2.12	53.75	0.88	22.23	1.25	31.75
28	01	21	28	2.57	65.28	1.77	44.96	0.63	15.88	0.94	23.80
	02	22		2.22	56.39	2.36	60.02	1.00	25.40	1.38	34.93
	03	60		2.57	65.28	1.55	39.40	0.50	12.70	0.75	19.05
	04	61		2.57	65.28	2.11	53.67	0.88	22.23	1.25	31.75
32	01	23	32	2.67	67.82	1.77	44.96	0.63	15.88	0.94	23.80
	02	24		2.67	67.82	2.11	53.67	0.88	22.23	1.25	31.75
	03	25		2.32	58.93	2.77	70.36	1.25	31.75	1.63	41.28
	04	62		2.67	67.82	2.36	60.02	1.00	25.40	1.38	34.93

Table Continued

TABLE - B											
AMPHENOL PART NUMBER DESIGNATOR		MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE	F (MAX)		G (MAX)		CABLE RANGE			
								MIN		MAX	
SHELL SIZE	ENTRY SIZE	DASH NO		INCH	MM	INCH	MM	INCH	MM	INCH	MM
32	01	23	32	2.67	67.82	1.77	44.96	0.63	15.88	0.94	23.80
	02	24		2.67	67.82	2.11	53.67	0.88	22.23	1.25	31.75
	03	25		2.32	58.93	2.77	70.36	1.25	31.75	1.63	41.28
	04	62		2.67	67.82	2.36	60.02	1.00	25.40	1.38	34.93
36	01	26	36	2.76	70.10	1.77	44.96	0.63	15.88	0.94	23.80
	02	27		2.76	70.10	2.36	60.02	1.00	25.40	1.38	34.93
	03	28		2.41	61.21	3.02	76.71	1.44	36.50	1.84	46.74
	04	47		2.76	70.10	1.55	39.40	0.50	12.70	0.75	19.05
	05	63		2.76	70.10	2.11	53.67	0.88	22.23	1.25	31.75
	06	64		2.76	70.10	2.77	70.36	1.25	31.75	1.63	41.28
40	01	29	40	2.76	70.10	1.77	44.96	0.63	15.88	0.94	23.80
	02	30		2.76	70.10	2.36	60.02	1.00	25.40	1.38	34.93
	03	31		2.41	61.21	3.02	76.71	1.44	36.50	1.88	47.63
	04	48		2.76	70.10	1.55	39.40	0.50	12.70	0.75	19.05
	05	65		2.76	70.10	2.11	53.67	0.88	22.23	1.25	31.75
	06	66		2.76	70.10	2.77	70.36	1.25	31.75	1.63	41.28
44	01	32	44	2.76	70.10	1.77	44.96	0.63	15.88	0.94	23.80
	02	33		2.76	70.10	2.36	60.02	1.00	25.40	1.38	34.93
	03	34		2.41	61.21	3.02	76.71	1.44	36.50	1.88	47.63
	04	67		2.76	70.10	2.11	53.67	0.88	22.23	1.25	31.75
	05	68		2.76	70.10	2.77	70.36	1.25	31.75	1.63	41.28
48	01	35	48	2.76	70.10	1.77	44.96	0.63	15.88	0.94	23.80
	02	36		2.76	70.10	2.36	60.02	1.00	25.40	1.38	34.93
	03	37		2.41	61.21	3.02	76.71	1.44	36.50	1.88	47.63
	04	69		2.76	70.10	2.11	53.67	0.88	22.23	1.25	31.75
	05	70		2.76	70.10	2.77	70.36	1.25	31.75	1.63	41.28

Amphenol Non-Environmental EMI / RFI Backshell

Connector Group - K

Straight

Amphenol Part Number

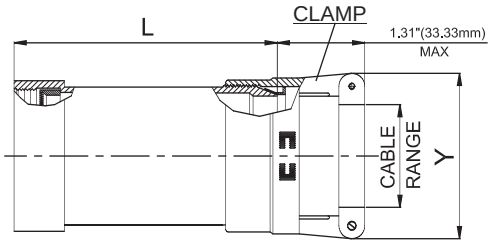
BM1 S X K 99 99 9 X X

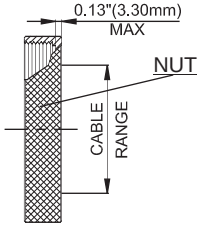
- Series
- Angle: S: straight
- Coupling: R: spin, D: direct
- Connector group
- Shell size: See Table-A
- Entry size: See Table-A
- Length: See Table-A
- End clamp: C: clamp, N: nut
- Finish: see Table-2

MIL Part Number

M85049 / 99 99 X 9 X

- MIL Series
- Slash sheet: 36: Straight, Direct coupling
- Shell size: See Table-A
- Finish: See Table-2
- Clamp size: See Table-A, Omit for 'STD'
- Length: 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 SE – II / I	CABLE RANGE				L (MAX)		Y (MAX)	
							MIN		MAX					
SHELL SIZE	ENTRY SIZE	LENGTH	ACCESSORY SHELL SIZE	CLAMP SIZE	LENGTH		INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	1	08	1	STD.	8 / 9	0.06	1.57	0.13	3.18	1.53	38.86	0.78	19.81
		2			A						2.53	64.26		
	02	1		2	STD.		0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
		2			A						2.53	64.26		
10	01	1	10	1	STD.	10 / 11	0.06	1.57	0.13	3.18	1.53	38.86	0.78	19.81
		2			A						2.53	64.26		
	02	1		2	STD.		0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
		2			A						2.53	64.26		
	03	1		3	STD.		0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2			A						2.53	64.26		
12	01	1	12	2	STD.	12 / 13	0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
		2			A						2.53	64.26		
	02	1		3	STD.		0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2			A						2.53	64.26		
	03	1		4	STD.		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2			A						2.53	64.26		
14	01	1	14	2	STD.	14 / 15	0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
		2			A						2.53	64.26		
		3			B						3.53	89.66		
	02	1		3	STD.		0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2			A						2.53	64.26		
		3			B						3.53	89.66		
	03	1		4	STD.		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2			A						2.53	64.26		
		3			B						3.53	89.66		
	04	1		5	STD.		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2			A						2.53	64.26		
		3			B						3.53	89.66		

Table Continued

Connector Group - K

Straight

TABLE - A

AMPHENOL PART NUMBER DESIGNATOR			MIL PART NUMBER DESIGNATOR			CONNECTOR SHELL SIZE SE – II / I	CABLE RANGE				L (MAX)		Y (MAX)	
							MIN		MAX					
SHELL SIZE	ENTRY SIZE	LENGTH	ACCESSORY SHELL SIZE	CLAMP SIZE	LENGTH		INCH	MM	INCH	MM	INCH	MM	INCH	MM
16	01	1	16	2	STD.	16 / 17	0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
		2			A						2.53	64.26		
		3			B						3.53	89.66		
	02	1		3	STD.		0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2			A						2.53	64.26		
		3			B						3.53	89.66		
	03	1		4	STD.		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2			A						2.53	64.26		
		3			B						3.53	89.66		
	04	1		5	STD.		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2			A						2.53	64.26		
		3			B						3.53	89.66		
	05	1		6	STD.		0.56	14.27	0.75	19.05	1.53	38.86	1.38	35.05
		2			A						2.53	64.26		
		3			B						3.53	89.66		
18	01	1	18	3	STD.	18 / 19	0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2			A						2.53	64.26		
		3			B						3.53	89.66		
	02	1		4	STD.		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2			A						2.53	64.26		
		3			B						3.53	89.66		
	03	1		5	STD.		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2			A						2.53	64.26		
		3			B						3.53	89.66		
	04	1		6	STD.		0.56	14.27	0.75	19.05	1.53	38.86	1.38	35.05
		2			A						2.53	64.26		
		3			B						3.53	89.66		
	05	1		7	STD.		0.69	17.45	0.88	22.23	1.53	38.86	1.50	38.10
		2			A						2.53	64.26		
		3			B						3.53	89.66		
20	01	1	20	3	STD.	20 / 21	0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	02	1		4	STD.		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	03	1		5	STD.		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	04	1		6	STD.		0.56	14.27	0.75	19.05	1.53	38.86	1.38	35.05
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	05	1		7	STD.		0.69	17.45	0.88	22.23	1.53	38.86	1.50	38.10
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	06	1		8	STD.		0.81	20.62	1.00	25.40	1.53	38.86	1.63	41.40
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		

Table Continued

Amphenol Non-Environmental EMI / RFI Backshell

Connector Group - K

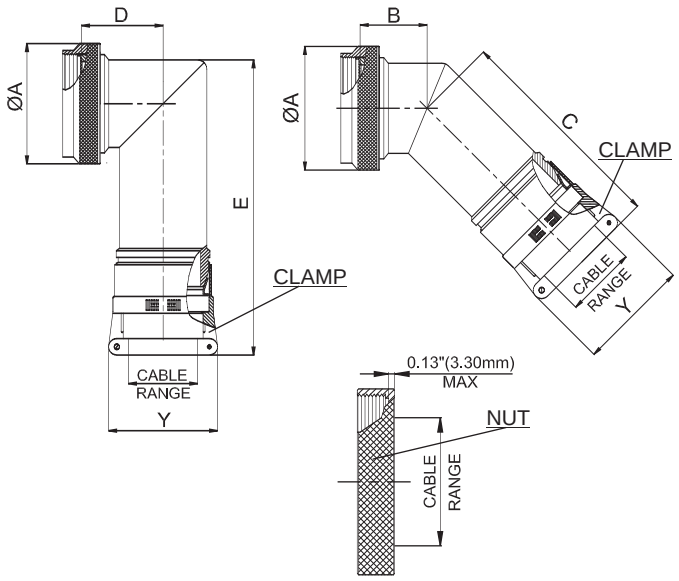
Straight

TABLE - A

AMPHENOL PART NUMBER DESIGNATOR			MIL PART NUMBER DESIGNATOR			CONNECTOR SHELL SIZE SE – II / I	CABLE RANGE				L (MAX)		Y (MAX)	
							MIN		MAX					
SHELL SIZE	ENTRY SIZE	LENGTH	ACCESSORY SHELL SIZE	CLAMP SIZE	LENGTH		INCH	MM	INCH	MM	INCH	MM	INCH	MM
22	01	1	22	3	STD.	22 /23	0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	02	1		4	STD.		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	03	1		5	STD.		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	04	1		6	STD.		0.56	14.27	0.75	19.05	1.53	38.86	1.38	35.05
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	05	1		7	STD.		0.69	17.45	0.88	22.23	1.53	38.86	1.50	38.10
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	06	1		8	STD.		0.81	20.62	1.00	25.40	1.53	38.86	1.63	41.40
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	07	1		9	STD.		0.94	23.80	1.13	28.58	1.53	38.86	1.75	44.45
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
24	01	1	24	4	STD.	24 / 25	0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	02	1		5	STD.		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	03	1		6	STD.		0.56	14.27	0.75	19.05	1.53	38.86	1.38	35.05
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	04	1		7	STD.		0.69	17.45	0.88	22.23	1.53	38.86	1.50	38.10
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	05	1		8	STD.		0.81	20.62	1.00	25.40	1.53	38.86	1.63	41.40
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	06	1		9	STD.		0.94	23.80	1.13	28.58	1.53	38.86	1.75	44.45
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		
	07	1		10	STD.		1.06	26.97	1.25	31.75	1.53	38.86	1.88	47.75
		2			A						2.53	64.26		
		3			B						3.53	89.66		
		4			C						4.53	115.06		

Connector Group - K

90°, 45°



Amphenol Part Number

BM1 X X K 99 99 9 X X

- Series
- Angle
  A: 90deg
  B: 45deg
- Coupling
  R: spin
- Connector group
- Shell size
  See Table-B
- Entry size
  See Table-B
- Length
  9:Not applicable
- End clamp
  C: clamp
  N: nut
- Finish: see Table-2

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

TABLE - B

AMPHENOL PART NUMBER DESIGNATOR		MIL PART NUMBER DESIGNATOR		CONNECTOR SHELL SIZE SE – II / I	CABLE RANGE				A DIA. (MAX)		B (MAX)		C (MAX)		D (MAX)		E (MAX)		Y (MAX)	
					MIN		MAX													
SHELL SIZE	ENTRY SIZE	SHELL SIZE	CLAMP SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	08	1	8 / 9	0.06	1.57	0.13	3.18	0.75	19.05	0.46	11.68	3.15	80.01	0.69	17.53	3.46	87.88	0.78	19.81
	02		2		0.13	3.18	0.25	6.35											0.97	24.64
10	01	10	1	10 / 11	0.06	1.57	0.13	3.18	0.85	21.59	0.52	13.21	3.21	81.53	0.78	19.81	3.58	90.93	0.78	19.81
	02		2		0.13	3.18	0.25	6.35											0.97	24.64
	03		3		0.25	6.35	0.38	9.53											1.06	26.92
12	01	12	2	12 / 13	0.13	3.18	0.25	6.35	1.00	25.40	0.58	14.73	3.27	83.06	0.80	20.32	3.60	91.44	0.97	24.64
	02		3		0.25	6.35	0.38	9.53											1.06	26.92
	03		4		0.31	7.92	0.50	12.70											1.16	29.46
14	01	14	2	14 / 15	0.13	3.18	0.25	6.35	1.15	29.21	0.65	16.51	3.36	85.34	0.88	22.35	3.67	93.22	0.97	24.64
	02		3		0.25	6.35	0.38	9.53											1.06	26.92
	03		4		0.31	7.92	0.50	12.70											1.16	29.46
	04		5		0.44	11.10	0.63	15.88											1.25	31.75
16	01	16	2	16 / 17	0.13	3.18	0.25	6.35	1.25	31.75	0.74	18.80	3.47	88.14	0.93	23.62	3.76	95.50	0.97	24.64
	02		3		0.25	6.35	0.38	9.53											1.06	26.92
	03		4		0.31	7.92	0.50	12.70											1.16	29.46
	04		5		0.44	11.10	0.63	15.88											1.25	31.75
	05		6		0.56	14.27	0.75	19.05											1.38	35.05
18	01	18	3	18 / 19	0.25	6.35	0.38	9.53	1.40	35.56	0.93	23.62	3.66	92.96	1.01	25.65	3.93	99.82	1.06	26.92
	02		4		0.31	7.92	0.50	12.70											1.16	29.46
	03		5		0.44	11.10	0.63	15.88											1.25	31.75
	04		6		0.56	14.27	0.75	19.05											1.38	35.05
	05		7		0.69	17.45	0.88	22.23											1.50	38.10
20	01	20	3	20 / 21	0.25	6.35	0.38	9.53	1.55	39.37	0.93	23.62	3.66	92.96	1.06	26.92	3.93	99.82	1.06	26.92
	02		4		0.31	7.92	0.50	12.70											1.16	29.46
	03		5		0.44	11.10	0.63	15.88											1.25	31.75
	04		6		0.56	14.27	0.75	19.05											1.38	35.05
	05		7		0.69	17.45	0.88	22.23											1.50	38.10
	06		8		0.81	20.62	1.00	25.40											1.63	41.40

Table Continued

Amphenol Non-Environmental EMI / RFI Backshell

Connector Group - K

90°, 45°

TABLE - B

AMPHENOL PART NUMBER DESIGNATOR		MIL PART NUMBER DESIGNATOR		CONNECTOR SHELL SIZE SE – II / I	CABLE RANGE				A DIA. (MAX)		B (MAX)		C (MAX)		D (MAX)		E (MAX)		Y (MAX)	
					MIN		MAX													
SHELL SIZE	ENTRY SIZE	SHELL SIZE	CLAMP SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
22	01	22	3	22 / 23	0.25	6.35	0.38	9.53	1.65	41.91	1.02	25.91	3.81	96.77	1.17	29.72	4.04	102.62	1.06	26.92
	02		4		0.31	7.92	0.50	12.70											1.16	29.46
	03		5		0.44	11.10	0.63	15.88											1.25	31.75
	04		6		0.56	14.27	0.75	19.05											1.38	35.05
	05		7		0.69	17.45	0.88	22.23											1.50	38.10
	06		8		0.81	20.62	1.00	25.40											1.63	41.40
	07		9		0.94	23.80	1.13	28.58											1.75	44.45
24	01	24	4	24 / 25	0.31	7.92	0.50	12.70	1.85	46.99	1.02	25.91	3.81	96.77	1.18	29.97	4.04	102.62	1.16	29.46
	02		5		0.44	11.10	0.63	15.88											1.25	31.75
	03		6		0.56	14.27	0.75	19.05											1.38	35.05
	04		7		0.69	17.45	0.88	22.23											1.50	38.10
	05		8		0.81	20.62	1.00	25.40											1.63	41.40
	06		9		0.94	23.80	1.13	28.58											1.75	44.45
	07		10		1.06	26.97	1.25	31.75											1.88	47.75

Connector Group - L

Straight

Amphenol Part Number

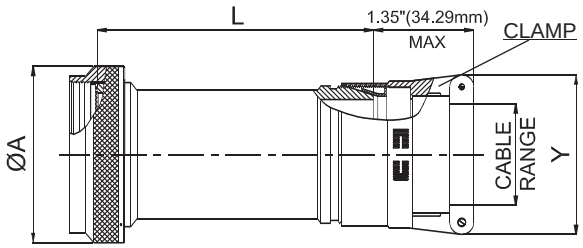
BM1 S X L 99 99 9 X X

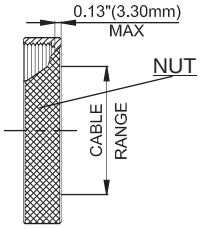
- Series
- Angle: S: straight
- Coupling: R: spin, D: direct
- Connector group
- Shell size: See Table-A
- Entry size: See Table-A
- Length: See Table-A
- End clamp: C: clamp, N: nut
- Finish: see Table-2

MIL Part Number

M85049 / 99 99 X 9 X

- MIL Series
- Slash sheet: 19: Straight, spin coupling
- Shell size: See Table-A
- Finish: See Table-2
- Clamp size: See Table-A, Omit for 'STD'
- Length: 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/CODE (REF.)	CABLE RANGE				A DIA. (MAX)		L (MAX)		Y (MAX)	
							MIN		MAX							
SHELL SIZE	ENTRY SIZE	LENGTH	CONNECTOR SHELL SIZE	CLAMP SIZE	LENGTH		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	1	09	1	STD.	09 / A	0.06	1.57	0.13	3.18	0.75	19.05	1.53	38.86	0.80	20.32
		2			A								2.53	64.26		
	02	1		2	STD.		0.13	3.18	0.25	6.35			1.53	38.86	1.00	25.40
		2			A								2.53	64.26		
10	01	1	11	1	STD.	11 / B	0.06	1.57	0.13	3.18	0.85	21.59	1.53	38.86	0.80	20.32
		2			A								2.53	64.26		
	02	1		2	STD.		0.13	3.18	0.25	6.35			1.53	38.86	1.00	25.40
		2			A								2.53	64.26		
	03	1		3	STD.		0.25	6.35	0.38	9.53			1.53	38.86	1.10	27.94
		2			A								2.53	64.26		
12	01	1	13	2	STD.	13 / C	0.13	3.18	0.25	6.35	1.00	25.40	1.53	38.86	1.00	25.40
		2			A								2.53	64.26		
	02	1		3	STD.		0.25	6.35	0.38	9.53			1.53	38.86	1.10	27.94
		2			A								2.53	64.26		
	03	1		4	STD.		0.31	7.92	0.50	12.70			1.53	38.86	1.20	30.48
		2			A								2.53	64.26		
14	01	1	15	2	STD.	15 / D	0.13	3.18	0.25	6.35	1.10	27.94	1.53	38.86	1.00	25.40
		2			A								2.53	64.26		
		3			B								3.53	89.66		
	02	1		3	STD.		0.25	6.35	0.38	9.53			1.53	38.86	1.10	27.94
		2			A								2.53	64.26		
		3			B								3.53	89.66		
	03	1		4	STD.		0.31	7.92	0.50	12.70			1.53	38.86	1.20	30.48
		2			A								2.53	64.26		
		3			B								3.53	89.66		
	04	1		5	STD.		0.44	11.10	0.63	15.88			1.53	38.86	1.25	31.75
		2			A								2.53	64.26		
		3			B								3.53	89.66		

Table Continued

TABLE - A

AMPHENOL PART NUMBER DESIGNATOR			MIL PART NUMBER DESIGNATOR			CONNECTOR SHELL SIZE/CODE (REF.)	CABLE RANGE				A DIA. (MAX)		L (MAX)		Y (MAX)	
							MIN		MAX							
SHELL SIZE	ENTRY SIZE	LENGTH	CONNECTOR SHELL SIZE	CLAMP SIZE	LENGTH		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
16	01	1	17	2	STD.	17 / E	0.13	3.18	0.25	6.35	1.25	31.75	1.53	38.86	1.00	25.40
		2			A								2.53	64.26		
		3			B								3.53	89.66		
	02	1		3	STD.		0.25	6.35	0.38	9.53			1.53	38.86	1.10	27.94
		2			A								2.53	64.26		
		3			B								3.53	89.66		
	03	1		4	STD.		0.31	7.92	0.50	12.70			1.53	38.86	1.20	30.48
		2			A								2.53	64.26		
		3			B								3.53	89.66		
	04	1		5	STD.		0.44	11.10	0.63	15.88			1.53	38.86	1.25	31.75
		2			A								2.53	64.26		
		3			B								3.53	89.66		
	05	1		6	STD.		0.56	14.27	0.75	19.05			1.53	38.86	1.40	35.56
		2			A								2.53	64.26		
		3			B								3.53	89.66		
18	01	1	19	3	STD.	19 / F	0.25	6.35	0.38	9.53	1.40	35.56	1.53	38.86	1.10	27.94
		2			A								2.53	64.26		
		3			B								3.53	89.66		
	02	1		4	STD.		0.31	7.92	0.50	12.70			1.53	38.86	1.20	30.48
		2			A								2.53	64.26		
		3			B								3.53	89.66		
	03	1		5	STD.		0.44	11.10	0.63	15.88			1.53	38.86	1.25	31.75
		2			A								2.53	64.26		
		3			B								3.53	89.66		
	04	1		6	STD.		0.56	14.27	0.75	19.05			1.53	38.86	1.40	35.56
		2			A								2.53	64.26		
		3			B								3.53	89.66		
	05	1		7	STD.		0.69	17.45	0.88	22.23			1.53	38.86	1.50	38.10
		2			A								2.53	64.26		
		3			B								3.53	89.66		
20	01	1	21	3	STD.	21 / G	0.25	6.35	0.38	9.53	1.50	38.10	1.53	38.86	1.10	27.94
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	02	1		4	STD.		0.31	7.92	0.50	12.70			1.53	38.86	1.20	30.48
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	03	1		5	STD.		0.44	11.10	0.63	15.88			1.53	38.86	1.25	31.75
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	04	1		6	STD.		0.56	14.27	0.75	19.05			1.53	38.86	1.40	35.56
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	05	1		7	STD.		0.69	17.45	0.88	22.23			1.53	38.86	1.50	38.10
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	06	1		8	STD.		0.81	20.62	1.00	25.40			1.53	38.86	1.65	41.91
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		

Table Continued

Connector Group - L

Straight

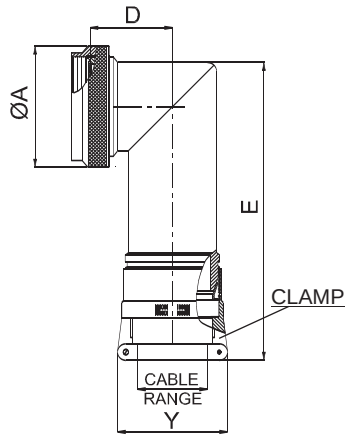
TABLE - A

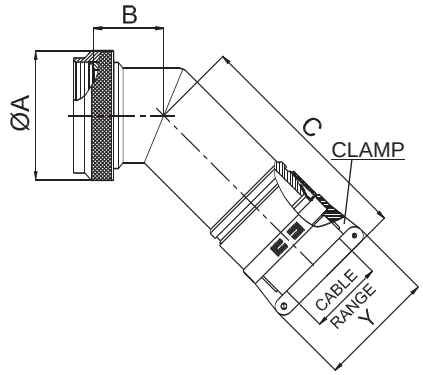
AMPHENOL PART NUMBER DESIGNATOR			MIL PART NUMBER DESIGNATOR			CONNECTOR SHELL SIZE/CODE (REF.)	CABLE RANGE				A DIA. (MAX)		L (MAX)		Y (MAX)	
							MIN		MAX							
SHELL SIZE	ENTRY SIZE	LENGTH	CONNECTOR SHELL SIZE	CLAMP SIZE	LENGTH		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
22	01	1	23	3	STD.	23 / H	0.25	6.35	0.38	9.53	1.65	41.91	1.53	38.86	1.10	27.94
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	02	1		4	STD.		0.31	7.92	0.50	12.70			1.53	38.86	1.20	30.48
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	03	1		5	STD.		0.44	11.10	0.63	15.88			1.53	38.86	1.25	31.75
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	04	1		6	STD.		0.56	14.27	0.75	19.05			1.53	38.86	1.40	35.56
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	05	1		7	STD.		0.69	17.45	0.88	22.23			1.53	38.86	1.50	38.10
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	06	1		8	STD.		0.81	20.62	1.00	25.40			1.53	38.86	1.65	41.91
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	07	1		9	STD.		0.94	23.80	1.13	28.58			1.53	38.86	1.75	44.45
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
24	01	1	25	4	STD.	25 / J	0.31	7.92	0.50	12.70	1.75	44.45	1.53	38.86	1.20	30.48
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	02	1		5	STD.		0.44	11.10	0.63	15.88			1.53	38.86	1.25	31.75
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	03	1		6	STD.		0.56	14.27	0.75	19.05			1.53	38.86	1.40	35.56
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	04	1		7	STD.		0.69	17.45	0.88	22.23			1.53	38.86	1.50	38.10
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	05	1		8	STD.		0.81	20.62	1.00	25.40			1.53	38.86	1.65	41.91
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	06	1		9	STD.		0.94	23.80	1.13	28.58			1.53	38.86	1.75	44.45
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		
	07	1		10	STD.		1.06	26.97	1.25	31.75			1.53	38.86	1.90	48.26
		2			A								2.53	64.26		
		3			B								3.53	89.66		
		4			C								4.53	115.06		

Amphenol Non-Environmental EMI / RFI Backshell

Connector Group - L

90°, 45°

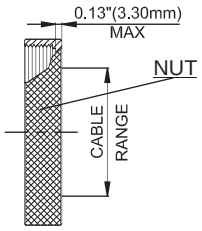




Amphenol Part Number

BM1 X X L 99 99 9 X X

- Series
- Angle: A: 90deg, B: 45deg
- Coupling: R: spin
- Connector group
- Shell size: See Table-B
- Entry size: See Table-B
- Length: 9:Not applicable
- End clamp: C: clamp, N: nut
- Finish: see Table-2



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

TABLE - B

AMPHENOL PART NUMBER DESIGNATOR		CONNECTOR SHELL SIZE/CODE (REF.)	CABLE RANGE				A DIA. (MAX)		B (MAX)		C (MAX)		D (MAX)		E (MAX)		Y (MAX)	
			MIN		MAX													
SHELL SIZE	ENTRY SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	09 / A	0.06	1.57	0.13	3.18	0.75	19.05	0.46	11.68	3.15	80.01	0.69	17.53	3.46	87.88	0.80	20.32
	02		0.13	3.18	0.25	6.35											1.00	25.40
10	01	11 / B	0.06	1.57	0.13	3.18	0.85	21.59	0.52	13.21	3.21	81.53	0.78	19.81	3.58	90.93	0.80	20.32
	02		0.13	3.18	0.25	6.35											1.00	25.40
	03		0.25	6.35	0.38	9.53											1.10	27.94
12	01	13 / C	0.13	3.18	0.25	6.35	1.00	25.40	0.58	14.73	3.27	83.06	0.80	20.32	3.60	91.44	1.00	25.40
	02		0.25	6.35	0.38	9.53											1.10	27.94
	03		0.31	7.92	0.50	12.70											1.20	30.48
14	01	15 / D	0.13	3.18	0.25	6.35	1.15	29.21	0.65	16.51	3.36	85.34	0.88	22.35	3.67	93.22	1.00	25.40
	02		0.25	6.35	0.38	9.53											1.10	27.94
	03		0.31	7.92	0.50	12.70											1.20	30.48
	04		0.44	11.10	0.63	15.88											1.25	31.75
16	01	17 / E	0.13	3.18	0.25	6.35	1.25	31.75	0.74	18.80	3.47	88.14	0.93	23.62	3.76	95.50	1.00	25.40
	02		0.25	6.35	0.38	9.53											1.10	27.94
	03		0.31	7.92	0.50	12.70											1.20	30.48
	04		0.44	11.10	0.63	15.88											1.25	31.75
	05		0.56	14.27	0.75	19.05											1.40	35.56
18	01	19 / F	0.25	6.35	0.38	9.53	1.40	35.56	0.93	23.62	3.66	92.96	1.01	25.65	3.93	99.82	1.10	27.94
	02		0.31	7.92	0.50	12.70											1.20	30.48
	03		0.44	11.10	0.63	15.88											1.25	31.75
	04		0.56	14.27	0.75	19.05											1.40	35.56
	05		0.69	17.45	0.88	22.23											1.50	38.10

Table Continued

Connector Group - L

90°, 45°

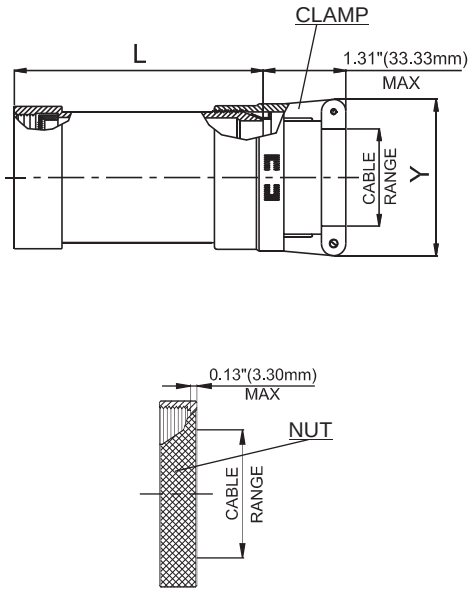
TABLE - B

AMPHENOL PART NUMBER DESIGNATOR		CONNECTOR SHELL SIZE/CODE (REF.)	CABLE RANGE				A DIA. (MAX)		B (MAX)		C (MAX)		D (MAX)		E (MAX)		Y (MAX)	
			MIN		MAX													
SHELL SIZE	ENTRY SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
20	01	21 / G	0.25	6.35	0.38	9.53	1.55	39.37	0.93	23.62	3.66	92.96	1.06	26.92	3.93	99.82	1.10	27.94
	02		0.31	7.92	0.50	12.70											1.20	30.48
	03		0.44	11.10	0.63	15.88											1.25	31.75
	04		0.56	14.27	0.75	19.05											1.40	35.56
	05		0.69	17.45	0.88	22.23											1.50	38.10
	06		0.81	20.62	1.00	25.40											1.65	41.91
22	01	23 / H	0.25	6.35	0.38	9.53	1.65	41.91	1.02	25.91	3.81	96.77	1.17	29.72	4.04	102.62	1.10	27.94
	02		0.31	7.92	0.50	12.70											1.20	30.48
	03		0.44	11.10	0.63	15.88											1.25	31.75
	04		0.56	14.27	0.75	19.05											1.40	35.56
	05		0.69	17.45	0.88	22.23											1.50	38.10
	06		0.81	20.62	1.00	25.40											1.65	41.91
	07		0.94	23.80	1.13	28.58											1.75	44.45
24	01	25 / J	0.31	7.92	0.50	12.70	1.85	46.99	1.02	25.91	3.81	96.77	1.18	29.97	4.04	102.62	1.20	30.48
	02		0.44	11.10	0.63	15.88											1.25	31.75
	03		0.56	14.27	0.75	19.05											1.40	35.56
	04		0.69	17.45	0.88	22.23											1.50	38.10
	05		0.81	20.62	1.00	25.40											1.65	41.91
	06		0.94	23.80	1.13	28.58											1.75	44.45
	07		1.06	26.97	1.25	31.75											1.90	48.26

Amphenol Non-Environmental EMI / RFI Backshell

Connector Group - M

Straight



Amphenol Part Number

BM1 S X M 99 99 9 X X

- Series
- Angle
  S: straight
- Coupling
  R: spin
  D: direct
- Connector group
- Shell size
  See Table-A
- Entry size
  See Table-A
- Length
  See Table-A
- End clamp
  C: clamp
  N: nut
- Finish: see Table-2

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

TABLE - A

AMPHENOL PART NUMBER DESIGNATOR			CONNECTOR SHELL SIZE	CABLE RANGE				L (MAX)		Y (MAX)	
				MIN		MAX					
SHELL SIZE	ENTRY SIZE	LENGTH		INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	1	8	0.06	1.57	0.13	3.18	1.53	38.86	0.78	19.81
		2						2.53	64.26		
	02	1		0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
		2						2.53	64.26		
10	01	1	10	0.06	1.57	0.13	3.18	1.53	38.86	0.78	19.81
		2						2.53	64.26		
	02	1		0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
		2						2.53	64.26		
	03	1		0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2						2.53	64.26		
12	01	1	12	0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
		2						2.53	64.26		
	02	1		0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2						2.53	64.26		
	03	1		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2						2.53	64.26		
14	01	1	14	0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
		2						2.53	64.26		
		3						3.53	89.66		

Table Continued

TABLE - A

AMPHENOL PART NUMBER DESIGNATOR			CONNECTOR SHELL SIZE	CABLE RANGE				L (MAX)		Y (MAX)	
				MIN		MAX					
SHELL SIZE	ENTRY SIZE	LENGTH		INCH	MM	INCH	MM	INCH	MM	INCH	MM
14	02	1	14	0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2						2.53	64.26		
		3						3.53	89.66		
	03	1		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2						2.53	64.26		
		3						3.53	89.66		
	04	1		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2						2.53	64.26		
		3						3.53	89.66		
16	01	1	16	0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
		2						2.53	64.26		
		3						3.53	89.66		
	02	1		0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2						2.53	64.26		
		3						3.53	89.66		
	03	1		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2						2.53	64.26		
		3						3.53	89.66		
	04	1		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2						2.53	64.26		
		3						3.53	89.66		
	05	1		0.56	14.27	0.75	19.05	1.53	38.86	1.38	35.05
		2						2.53	64.26		
		3						3.53	89.66		
18	01	1	18	0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2						2.53	64.26		
		3						3.53	89.66		
	02	1		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2						2.53	64.26		
		3						3.53	89.66		
	03	1		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2						2.53	64.26		
		3						3.53	89.66		
	04	1		0.56	14.27	0.75	19.05	1.53	38.86	1.38	35.05
		2						2.53	64.26		
		3						3.53	89.66		
	05	1		0.69	17.45	0.88	22.23	1.53	38.86	1.50	38.10
		2						2.53	64.26		
		3						3.53	89.66		

Table Continued

TABLE - A

AMPHENOL PART NUMBER DESIGNATOR			CONNECTOR SHELL SIZE	CABLE RANGE				L (MAX)		Y (MAX)	
				MIN		MAX					
SHELL SIZE	ENTRY SIZE	LENGTH		INCH	MM	INCH	MM	INCH	MM	INCH	MM
20	01	1	20	0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	02	1		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	03	1		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	04	1		0.56	14.27	0.75	19.05	1.53	38.86	1.38	35.05
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	05	1		0.69	17.45	0.88	22.23	1.53	38.86	1.50	38.10
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	06	1		0.81	20.62	1.00	25.40	1.53	38.86	1.63	41.40
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
22	01	1	22	0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	02	1		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	03	1		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	04	1		0.56	14.27	0.75	19.05	1.53	38.86	1.38	35.05
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		

Table Continued

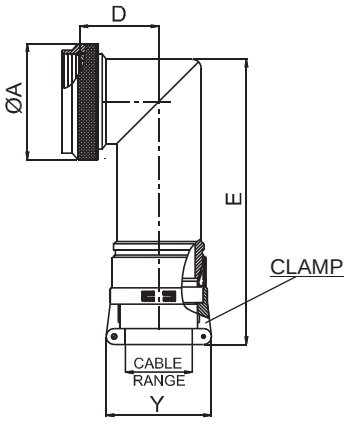
TABLE - A

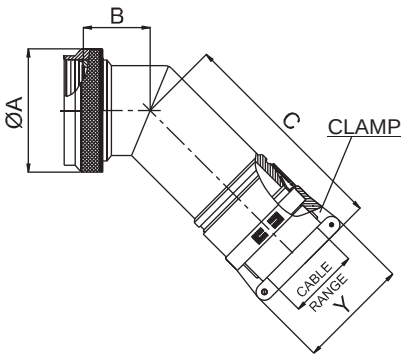
AMPHENOL PART NUMBER DESIGNATOR			CONNECTOR SHELL SIZE	CABLE RANGE				L (MAX)		Y (MAX)	
				MIN		MAX					
SHELL SIZE	ENTRY SIZE	LENGTH		INCH	MM	INCH	MM	INCH	MM	INCH	MM
22	05	1	22	0.69	17.45	0.88	22.23	1.53	38.86	1.50	38.10
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	06	1		0.81	20.62	1.00	25.40	1.53	38.86	1.63	41.40
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	07	1		0.94	23.80	1.13	28.58	1.53	38.86	1.75	44.45
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
24	01	1	24	0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	02	1		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	03	1		0.56	14.27	0.75	19.05	1.53	38.86	1.38	35.05
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	04	1		0.69	17.45	0.88	22.23	1.53	38.86	1.50	38.10
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	05	1		0.81	20.62	1.00	25.40	1.53	38.86	1.63	41.40
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	06	1		0.94	23.80	1.13	28.58	1.53	38.86	1.75	44.45
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	07	1		1.06	26.97	1.25	31.75	1.53	38.86	1.88	47.75
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		

Amphenol Non-Environmental EMI / RFI Backshell

Connector Group - M

90°, 45°

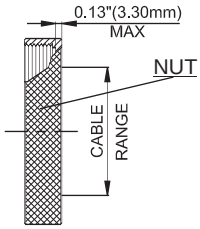




Amphenol Part Number

BM1 X X M 99 99 9 X X

- Series
- Angle
  - A: 90deg
  - B: 45deg
- Coupling
  - R: spin
- Connector group
- Shell size
  - See Table-B
- Entry size
  - See Table-B
- Length
  - 9:Not applicable
- End clamp
  - C: clamp
  - N: nut
- Finish: see Table-2



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

TABLE - B

AMPHENOL PART NUMBER DESIGNATOR		CONNECTOR SHELL SIZE	CABLE RANGE				A DIA. (MAX)		B (MAX)		C (MAX)		D (MAX)		E (MAX)		Y (MAX)	
			MIN		MAX													
SHELL SIZE	ENTRY SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	8	0.06	1.57	0.13	3.18	0.75	19.05	0.46	11.68	3.15	80.01	0.69	17.53	3.46	87.88	0.78	19.81
	02		0.13	3.18	0.25	6.35											0.97	24.64
10	01	10	0.06	1.57	0.13	3.18	0.85	21.59	0.52	13.21	3.21	81.53	0.78	19.81	3.58	90.93	0.78	19.81
	02		0.13	3.18	0.25	6.35											0.97	24.64
	03		0.25	6.35	0.38	9.53											1.06	26.92
12	01	12	0.13	3.18	0.25	6.35	1.00	25.40	0.58	14.73	3.27	83.06	0.80	20.32	3.60	91.44	0.97	24.64
	02		0.25	6.35	0.38	9.53											1.06	26.92
	03		0.31	7.92	0.50	12.70											1.16	29.46
14	01	14	0.13	3.18	0.25	6.35	1.15	29.21	0.65	16.51	3.36	85.34	0.88	22.35	3.67	93.22	0.97	24.64
	02		0.25	6.35	0.38	9.53											1.06	26.92
	03		0.31	7.92	0.50	12.70											1.16	29.46
	04		0.44	11.10	0.63	15.88											1.25	31.75

Table Continued

Connector Group - M

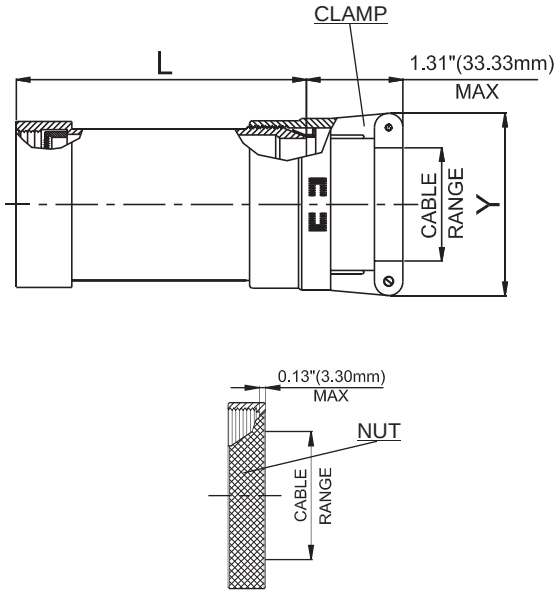
90°, 45°

TABLE - B

AMPHENOL PART NUMBER DESIGNATOR		CONNECTOR SHELL SIZE	CABLE RANGE				A DIA. (MAX)		B (MAX)		C (MAX)		D (MAX)		E (MAX)		Y (MAX)	
			MIN		MAX													
SHELL SIZE	ENTRY SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
16	01	16	0.13	3.18	0.25	6.35	1.25	31.75	0.74	18.80	3.47	88.14	0.93	23.62	3.76	95.50	0.97	24.64
	02		0.25	6.35	0.38	9.53											1.06	26.92
	03		0.31	7.92	0.50	12.70											1.16	29.46
	04		0.44	11.10	0.63	15.88											1.25	31.75
	05		0.56	14.27	0.75	19.05											1.38	35.05
18	01	18	0.25	6.35	0.38	9.53	1.40	35.56	0.93	23.62	3.66	92.96	1.01	25.65	3.93	99.82	1.06	26.92
	02		0.31	7.92	0.50	12.70											1.16	29.46
	03		0.44	11.10	0.63	15.88											1.25	31.75
	04		0.56	14.27	0.75	19.05											1.38	35.05
	05		0.69	17.45	0.88	22.23											1.50	38.10
20	01	20	0.25	6.35	0.38	9.53	1.55	39.37	0.93	23.62	3.66	92.96	1.06	26.92	3.93	99.82	1.06	26.92
	02		0.31	7.92	0.50	12.70											1.16	29.46
	03		0.44	11.10	0.63	15.88											1.25	31.75
	04		0.56	14.27	0.75	19.05											1.38	35.05
	05		0.69	17.45	0.88	22.23											1.50	38.10
	06		0.81	20.62	1.00	25.40											1.63	41.40
22	01	22	0.25	6.35	0.38	9.53	1.65	41.91	1.02	25.91	3.81	96.77	1.17	29.72	4.04	102.62	1.06	26.92
	02		0.31	7.92	0.50	12.70											1.16	29.46
	03		0.44	11.10	0.63	15.88											1.25	31.75
	04		0.56	14.27	0.75	19.05											1.38	35.05
	05		0.69	17.45	0.88	22.23											1.50	38.10
	06		0.81	20.62	1.00	25.40											1.63	41.40
	07		0.94	23.80	1.13	28.58											1.75	44.45
24	01	24	0.31	7.92	0.50	12.70	1.85	46.99	1.02	25.91	3.81	96.77	1.18	29.97	4.04	102.62	1.16	29.46
	02		0.44	11.10	0.63	15.88											1.25	31.75
	03		0.56	14.27	0.75	19.05											1.38	35.05
	04		0.69	17.45	0.88	22.23											1.50	38.10
	05		0.81	20.62	1.00	25.40											1.63	41.40
	06		0.94	23.80	1.13	28.58											1.75	44.45
	07		1.06	26.97	1.25	31.75											1.88	47.75

Amphenol Non-Environmental EMI / RFI Backshell

Connector Group - N **Straight**



Amphenol Part Number

BM1 S X N 99 99 9 X X

- Series: BM1
- Angle: S: straight
- Coupling: R: spin, D: direct
- Connector group: X
- Connector group: N
- Shell size: 99 — See Table-A
- Entry size: 99 — See Table-A
- Length: 9 — See Table-A
- End clamp: X — C: clamp, N: nut
- Finish: X — see Table-2

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

TABLE - A

AMPHENOL PART NUMBER DESIGNATOR			CONNECTOR SHELL SIZE	CABLE RANGE				L (MAX)		Y (MAX)	
				MIN		MAX					
SHELL SIZE	ENTRY SIZE	LENGTH		INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	1	8	0.06	1.57	0.13	3.18	1.53	38.86	0.78	19.81
		2						2.53	64.26		
	02	1		0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
		2						2.53	64.26		
10	01	1	10	0.06	1.57	0.13	3.18	1.53	38.86	0.78	19.81
		2						2.53	64.26		
	02	1		0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
		2						2.53	64.26		
	03	1		0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2						2.53	64.26		
12	01	1	12	0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
		2						2.53	64.26		
	02	1		0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2						2.53	64.26		
	03	1		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2						2.53	64.26		
14	01	1	14	0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
		2						2.53	64.26		
		3						3.53	89.66		

Table Continued

Connector Group - N

Straight

TABLE - A

AMPHENOL PART NUMBER DESIGNATOR			CONNECTOR SHELL SIZE	CABLE RANGE				L (MAX)		Y (MAX)	
				MIN		MAX					
SHELL SIZE	ENTRY SIZE	LENGTH		INCH	MM	INCH	MM	INCH	MM	INCH	MM
14	02	1	14	0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2						2.53	64.26		
		3						3.53	89.66		
	03	1		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2						2.53	64.26		
		3						3.53	89.66		
	04	1		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2						2.53	64.26		
		3						3.53	89.66		
16	01	1	16	0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
		2						2.53	64.26		
		3						3.53	89.66		
	02	1		0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2						2.53	64.26		
		3						3.53	89.66		
	03	1		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2						2.53	64.26		
		3						3.53	89.66		
	04	1		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2						2.53	64.26		
		3						3.53	89.66		
	05	1		0.56	14.27	0.75	19.05	1.53	38.86	1.38	35.05
		2						2.53	64.26		
		3						3.53	89.66		
18	01	1	18	0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2						2.53	64.26		
		3						3.53	89.66		
	02	1		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2						2.53	64.26		
		3						3.53	89.66		
	03	1		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2						2.53	64.26		
		3						3.53	89.66		
	04	1		0.56	14.27	0.75	19.05	1.53	38.86	1.38	35.05
		2						2.53	64.26		
		3						3.53	89.66		
	05	1		0.69	17.45	0.88	22.23	1.53	38.86	1.50	38.10
		2						2.53	64.26		
		3						3.53	89.66		

Table Continued

TABLE - A

AMPHENOL PART NUMBER DESIGNATOR			CONNECTOR SHELL SIZE	CABLE RANGE				L (MAX)		Y (MAX)	
				MIN		MAX					
SHELL SIZE	ENTRY SIZE	LENGTH		INCH	MM	INCH	MM	INCH	MM	INCH	MM
20	01	1	20	0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	02	1		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	03	1		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	04	1		0.56	14.27	0.75	19.05	1.53	38.86	1.38	35.05
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	05	1		0.69	17.45	0.88	22.23	1.53	38.86	1.50	38.10
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	06	1		0.81	20.62	1.00	25.40	1.53	38.86	1.63	41.40
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
22	01	1	22	0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	02	1		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	03	1		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		

Table Continued

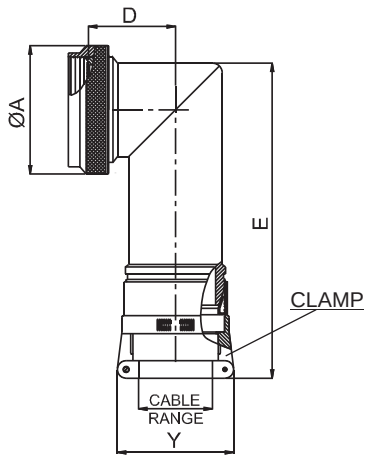
TABLE - A

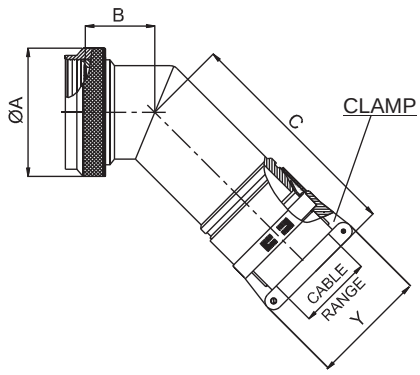
AMPHENOL PART NUMBER DESIGNATOR			CONNECTOR SHELL SIZE	CABLE RANGE				L (MAX)		Y (MAX)	
				MIN		MAX					
SHELL SIZE	ENTRY SIZE	LENGTH		INCH	MM	INCH	MM	INCH	MM	INCH	MM
22	04	1	22	0.56	14.27	0.75	19.05	1.53	38.86	1.38	35.05
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	05	1		0.69	17.45	0.88	22.23	1.53	38.86	1.50	38.10
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	06	1		0.81	20.62	1.00	25.40	1.53	38.86	1.63	41.40
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	07	1		0.94	23.80	1.13	28.58	1.53	38.86	1.75	44.45
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
24	01	1	24	0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	02	1		0.44	11.10	0.63	15.88	1.53	38.86	1.25	31.75
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	03	1		0.56	14.27	0.75	19.05	1.53	38.86	1.38	35.05
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	04	1		0.69	17.45	0.88	22.23	1.53	38.86	1.50	38.10
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	05	1		0.81	20.62	1.00	25.40	1.53	38.86	1.63	41.40
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	06	1		0.94	23.80	1.13	28.58	1.53	38.86	1.75	44.45
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		
	07	1		1.06	26.97	1.25	31.75	1.53	38.86	1.88	47.75
		2						2.53	64.26		
		3						3.53	89.66		
		4						4.53	115.06		

Amphenol Non-Environmental EMI / RFI Backshell

Connector Group - N

90°, 45°

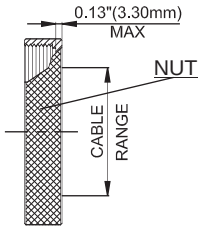




Amphenol Part Number

BM1 X X N 99 99 9 X X

- Series
- Angle
  - A: 90deg
  - B: 45deg
- Coupling
  - R: spin
- Connector group
- Shell size
  - See Table-B
- Entry size
  - See Table-B
- Length
  - 9:Not applicable
- End clamp
  - C: clamp
  - N: nut
- Finish: see Table-2



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

TABLE - B

AMPHENOL PART NUMBER DESIGNATOR		CONNECTOR SHELL SIZE	CABLE RANGE				A DIA. (MAX)		B (MAX)		C (MAX)		D (MAX)		E (MAX)		Y (MAX)	
			MIN		MAX													
SHELL SIZE	ENTRY SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	8	0.06	1.57	0.13	3.18	0.75	19.05	0.46	11.68	3.15	80.01	0.69	17.53	3.46	87.88	0.78	19.81
	02		0.13	3.18	0.25	6.35											0.97	24.64
10	01	10	0.06	1.57	0.13	3.18	0.85	21.59	0.52	13.21	3.21	81.53	0.78	19.81	3.58	90.93	0.78	19.81
	02		0.13	3.18	0.25	6.35											0.97	24.64
	03		0.25	6.35	0.38	9.53											1.06	26.92
12	01	12	0.13	3.18	0.25	6.35	1.00	25.40	0.58	14.73	3.27	83.06	0.80	20.32	3.60	91.44	0.97	24.64
	02		0.25	6.35	0.38	9.53											1.06	26.92
	03		0.31	7.92	0.50	12.70											1.16	29.46
14	01	14	0.13	3.18	0.25	6.35	1.15	29.21	0.65	16.51	3.36	85.34	0.88	22.35	3.67	93.22	0.97	24.64
	02		0.25	6.35	0.38	9.53											1.06	26.92
	03		0.31	7.92	0.50	12.70											1.16	29.46
	04		0.44	11.10	0.63	15.88											1.25	31.75

Table Continued

TABLE - B

AMPHENOL PART NUMBER DESIGNATOR		CONNECTOR SHELL SIZE	CABLE RANGE				A DIA. (MAX)		B (MAX)		C (MAX)		D (MAX)		E (MAX)		Y (MAX)	
			MIN		MAX													
SHELL SIZE	ENTRY SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
16	01	16	0.13	3.18	0.25	6.35	1.25	31.75	0.74	18.80	3.47	88.14	0.93	23.62	3.76	95.50	0.97	24.64
	02		0.25	6.35	0.38	9.53											1.06	26.92
	03		0.31	7.92	0.50	12.70											1.16	29.46
	04		0.44	11.10	0.63	15.88											1.25	31.75
	05		0.56	14.27	0.75	19.05											1.38	35.05
18	01	18	0.25	6.35	0.38	9.53	1.40	35.56	0.93	23.62	3.66	92.96	1.01	25.65	3.93	99.82	1.06	26.92
	02		0.31	7.92	0.50	12.70											1.16	29.46
	03		0.44	11.10	0.63	15.88											1.25	31.75
	04		0.56	14.27	0.75	19.05											1.38	35.05
	05		0.69	17.45	0.88	22.23											1.50	38.10
20	01	20	0.25	6.35	0.38	9.53	1.55	39.37	0.93	23.62	3.66	92.96	1.06	26.92	3.93	99.82	1.06	26.92
	02		0.31	7.92	0.50	12.70											1.16	29.46
	03		0.44	11.10	0.63	15.88											1.25	31.75
	04		0.56	14.27	0.75	19.05											1.38	35.05
	05		0.69	17.45	0.88	22.23											1.50	38.10
	06		0.81	20.62	1.00	25.40											1.63	41.40
22	01	22	0.25	6.35	0.38	9.53	1.65	41.91	1.02	25.91	3.81	96.77	1.17	29.72	4.04	102.62	1.06	26.92
	02		0.31	7.92	0.50	12.70											1.16	29.46
	03		0.44	11.10	0.63	15.88											1.25	31.75
	04		0.56	14.27	0.75	19.05											1.38	35.05
	05		0.69	17.45	0.88	22.23											1.50	38.10
	06		0.81	20.62	1.00	25.40											1.63	41.40
	07		0.94	23.80	1.13	28.58											1.75	44.45
24	01	24	0.31	7.92	0.50	12.70	1.85	46.99	1.02	25.91	3.81	96.77	1.18	29.97	4.04	102.62	1.16	29.46
	02		0.44	11.10	0.63	15.88											1.25	31.75
	03		0.56	14.27	0.75	19.05											1.38	35.05
	04		0.69	17.45	0.88	22.23											1.50	38.10
	05		0.81	20.62	1.00	25.40											1.63	41.40
	06		0.94	23.80	1.13	28.58											1.75	44.45
	07		1.06	26.97	1.25	31.75											1.88	47.75

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