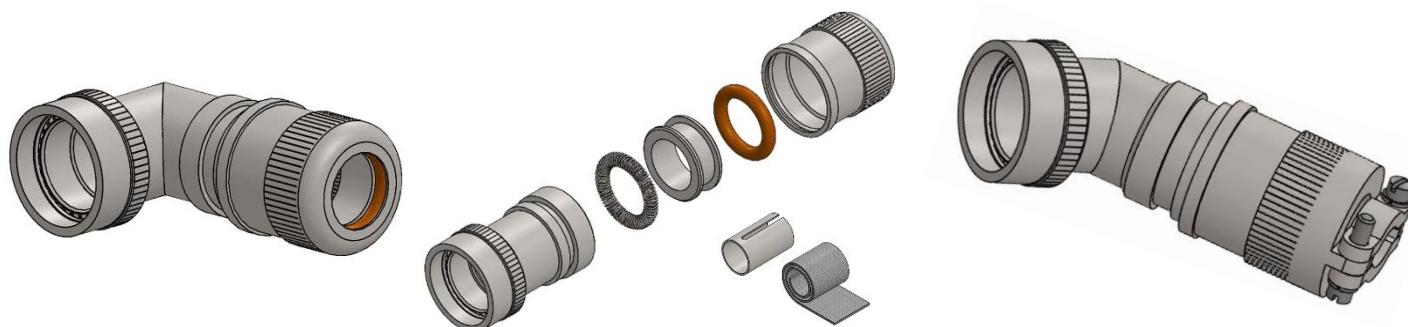
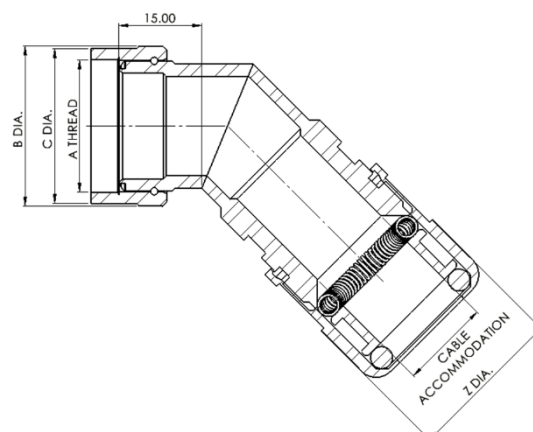
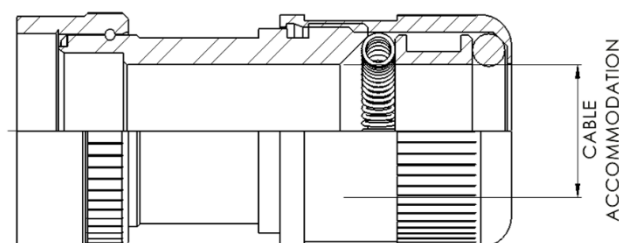
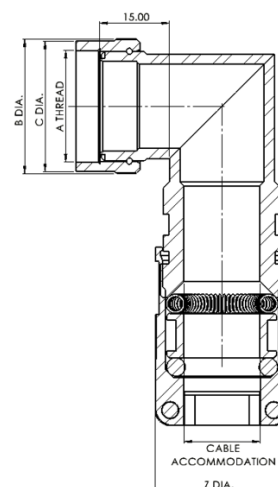
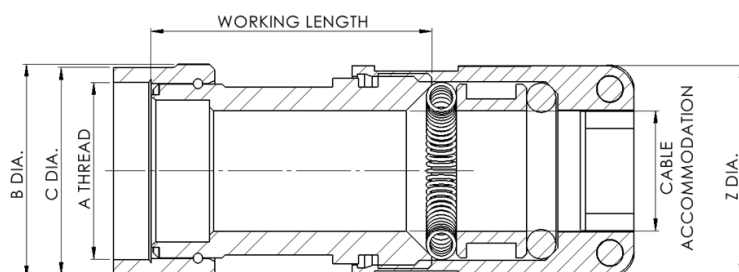


KC2100 Series

EMC Circular Backshell for high levels of EMC screening and environmental sealing inc. TEMPEST



- Suitable for all standard circular connectors
- High levels of EMC and environmental performance including TEMPEST
- Overall screening is provided by proven IRIS spring technology
- Individual screening with slotted tube and braid kit
- Cable sealing up to IP68 depending upon 'O' ring seal option
- No special tools are required and the system is easily reworked
- Teeth on backshell body mesh with connector teeth for positive lock
- Blind teeth for increased screening capability
- Blind teeth for increased EMC screening with internal taper for enhanced environmental sealing with the connector
- Overall environmental seal is equal to or higher than the IP rating of the connector
- Ideal solution for fibre or mixed fibre and copper cable providing EMC screening and protection for the fibre



KEC LIMITED

Orpheus House, Calleva Park, Aldermaston, Reading, Berkshire RG7 8TA England

www.kec.co.uk

Tel: +44 (0)118 981 1571 email: sales@kec.co.uk

PRODUCT INFORMATION

EXAMPLE PART NUMBER

KC2101 - 32 – 25D06C2W - K1 - XXX

Material - Table 1

Connector Series - Table 3

Shell Size - Table 2

Function – Table 5

Cable Entry - Table 4

Clamp Options – Table 7

Working Length – Note 2

Finish – Table 6

Tube and Braid Kit
(see Note 1)

Mod Code

TABLE 1	
MATERIAL CODE	
01	ALUMINIUM
02	STAINLESS STEEL
03	ALI BRONZE

TABLE 2					
SHELL SIZE	A THREAD 22/26/38 SERIES	A THREAD 28 SERIES	A THREAD 32 SERIES	B DIA MAX	C DIA MAX
08/09	7/16" - 28 UNEF	1/2" - 20 UNF	M12 x 1.00-6H	18.00	15.95
10/11	9/16" - 24 UNEF	5/8" - 24 UNEF	M15 x 1.00-6H	21.20	18.95
12/13	11/16" - 24 UNEF	3/4" - 20 UNEF	M18 x 1.00-6H	23.10	21.65
14/15	13/16" - 20 UNEF	7/8" - 20 UNEF	M22 x 1.00-6H	26.60	25.40
16/17	15/16" - 20 UNEF	1.000" - 20 UNEF	M25 x 1.00-6H	29.10	28.15
18/19	1 1/16" - 18 UNEF	1 1/16" - 18 UNEF	M28 x 1.00-6H	32.40	30.40
20/21	1 3/16" - 18 UNEF	1 3/16" - 18 UNEF	M31 x 1.00-6H	34.60	33.95
22/23	1 5/16" - 18 UNEF	1 5/16" - 18 UNEF	M34 x 1.00-6H	38.10	36.70
24/25	1 7/16" - 18 UNEF	1 7/16" - 18 UNEF	M37 x 1.00-6H	42.90	40.65

TABLE 3				
(consult factory for other connector series options)				
SERIES CODE STRAIGHT	SERIES CODE 45° ANGLE	SERIES CODE 90° ANGLE	CONNECTOR TYPE (TYPICAL. MANY OTHER CONNECTOR TYPE OPTIONS AVAILABLE)	SHELL SIZE
22	42	82	MIL-C-26482 SERIES 1, PAT 105, 608, 603	08-24
26	46	86	MIL-C-38999 SERIES 1 & 2, PAT 614 & 616, PAN 6433-1	08-24
28	48	88	MIL-C-83723 SERIES 1 & 3, MIL-C-26482 SERIES 2 PAT 602 & PAN 6432-1 & 4	08-24
32	52	92	MIL-C-38999 SERIES III & IV, METRIC THREADS (EN3645)	09-25
38	58	98	PAN 6433-2, LN29729	08-24

TABLE 4				
ENTRY CODE	MIN mm	MAX mm	MAX K1/K2	Z DIA
01	1.6	3.2	N/A	15.9
02	3.2	6.4	N/A	19.1
03	6.4	9.5	3.75	22.3
04	9.5	12.7	6.90	25.4
05	12.7	15.9	10.1	28.6
06	15.9	19.1	13.2	31.9
07	19.1	22.2	15.9	35.0
08	22.2	25.4	19.1	38.1
09	25.4	28.6	22.3	41.3
10	28.6	31.8	23.6	44.5
11	31.8	34.9	24.9	47.7

TABLE 5	
FUNCTION	
D	EMI/RFI & ENVIRONMENTAL (IRIS/SEAL)
E	ENVIRONMENTAL & EMI/RFI (SEAL/IRIS)
F	EMP & TEMPEST (IRIS/IRIS)
G	HIGH PRESSURE SEAL (SEAL/SEAL)
T1	TEMPEST + ENVIRONMENTAL (IRIS/IRIS/SEAL)
T2	EMI/RFI HIGH PRESSURE SEAL (IRIS/SEAL/SEAL)

TABLE 6	
FINISH CODE	
G	BLACK ZINC NICKEL
J	ELECTROLESS NICKEL
W	CADMIUM + OLIVE DRAB
Z	ZINC COBALT + OLIVE DRAB

TABLE 7	
CLAMP OPTIONS	
C	WITH CLAMP BARS
N	WITHOUT CLAMP BARS

NOTES:

- TUBE & BRAID KIT. OMIT IF NOT REQUIRED. PLEASE NOTE THAT TUBE & BRAID KITS ARE ONLY AVAILABLE FOR CABLE ENTRY SIZES 03 AND LARGER. BRAID WITHOUT TUBE CAN BE USED ON SIZE 02 TO TERMINATE INDIVIDUAL SCREENS. IF USING A KIT, DETERMINE THE CABLE ACCOMMODATION ENTRY SIZE FROM THE K1/K2 COLUMN IN TABLE 4. FOR MORE INFORMATION PLEASE CONSULT FACTORY.
- WORKING LENGTH IN 12.7mm (0.5in) INCREMENTS. FOR EXAMPLE WORKING LENGTH 4 = 50.8mm (2in). MINIMUM WORKING LENGTH FOR KC2100 SERIES IS 2. (STRAIGHT BACKSHELLS ONLY – OMIT ON ANGLED VERSIONS).

KEC LIMITED

Orpheus House, Calleva Park, Aldermaston, Reading, Berkshire RG7 8TA England

www.kec.co.uk

Tel: +44 (0)118 981 1571 email: sales@kec.co.uk