



## THE SUPERTUBE SYSTEM

Supertube is the high quality EMC conduit system from KEC Ltd. Using an innovative three-layer construction, Supertube offers high levels of electrical, mechanical and environmental protection. This is achieved with a considerable saving in weight and installation time.

Supertube is manufactured as an aluminium shielding layer, and has both an inner and outer layer to provide insulation. This construction allows Supertube to be formed easily by hand, or using simple tools, and so offers quick installation. The multiple layers also provide good mechanical protection. The aluminium layer is seam-welded to provide 360° EMC protection. The outer

insulation is easily stripped and removed to expose the shielding layer for termination.

The Supertube system also includes a wide range of EMC fittings, using the KEC Iris spring. This method of termination is ideally suited to provide a very effective EMC bond, and can be fitted with the minimum of tooling.

Supertube is a real alternative to traditional conduit systems, providing savings in weight, time and cost. The full range of fittings ensures that the system is flexible enough to allow complete installation, and the durable materials ease the burden of maintenance to reduce through-life costs.

## TYPICAL PART NUMBER

KST(EMC)-25-W-B

SIZE CODE (TABLE 1)

FUNCTION (TABLE 3)

COLOUR CODE (TABLE 2)

TABLE 1

SIZE CODE	INSIDE Ø	OUTSIDE Ø
20	16.0	20.0
25	20.0	25.0
32	27.0	32.0

TABLE 2

CODE	COLOUR
B	BLACK
W	WHITE

TABLE 3

CODE	MATERIAL GRADE
A	STANDARD, LOW SMOKE AND FUME
B	HIGH GRADE, FLAME RETARDANT



- High Grade 'B' has been assessed in accordance with BR 1326 (A), has been given a class C rating and listed in table 13. New class/es for this item will be G (unrestricted)

Approved for use on both surface and subsurface ships

Passed fire survival testing based on BS 6387 fire test as required by NES 527 Issue 1 fire survival for high temperature zone low fire hazard electrical cables

Meets the requirements of

DEF STAN 02.711 smoke index

DEF STAN 02.713 toxicity index

BS.EN.ISO 4589-2 oxygen index

BS.EN.ISO 4589-3 flammability index

- Temperature rating: -45°C to +120°C
- Screening effectiveness: In excess of 75 dB (5 kHz - 2 GHz according to IEC 96-1)
- Meets the requirements of BS EN 50086-2-1 & BS EN 50086-2-2, Mechanical properties
- Full ranges of fittings, accessories and tooling available for EMC, sealing and forming

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