



IMPERIAL
FIRE
SOLUTIONS

IFS-ES

FIRE RESISTANT SERVICE ENCLOSURE SYSTEM

High-performance service enclosure system rigorously tested in accordance with the BS EN 1366-5:2021 fire test standard. All our enclosure tests included the internal T3 thermocouple placements as per the 2003 edition of BS EN 1366-5 as required by the Code of Practice, BS 8519:2020 which considers the selection and installation of fire-resistant power and control cable systems for life safety, fire-fighting and other critical applications.

TESTED TO:



BS 8519:2020



BS EN 1366-5:2021



Including
T3 Thermocouple



Horizontal
& Vertical





Formal test and Performance Criteria

PRODUCT FEATURE	COMMENTARY
Compliant with BS 8519:2020	✓ This code of practice requires cable enclosures incorporate internal T3 thermocouples from BS EN 1366-5:2003 edition
Water Resistant as required by BS 8519:2020	✓ Clauses 3.3, 6.1, 7.2 & 12.1 requires that systems resist water ingress
Tested to BS EN 1366 - 5:2021 of enclosures	✓ This latest version places limitations on the maximum sizes that can be produced to correlate with the actual tested specimen.
Internal T3 Thermocouples in accordance with BS EN 1366 - 5:2003	✓ Enclosures tested with internal T3 thermocouples as required by BS EN 1366 - 5:2003.
Tested Fire Outside Horizontally	✓ Full scale tests carrying out with size ranging from 500mm x 450mm to 1000mm x 500mm
Tested Fire Outside Vertically	✓ Full scale tests carrying out with size ranging from 500mm x 500 mm to 2000mm x 700mm
Tested for Services hung from enclosures	✓ Enclosures tested with required loading with the service being protected hung from upper face.
Fire Classifications	✓ EI 120 Ho - o <-> i, EI 240 Ve - o -> i
Tested for Services laid into enclosure	✓ Enclosures tested with required loading with services being protected into lower face
Vertical Fire Outside tested up to 2000mm x 700mm.	✓ BS EN 1366-5:2021 section 13.2 states that the enclosure size is applicable up to the width and height tested.
3-sided Vertical Enclosure up to 2000mm x 500mm	✓ Ad-hoc full-scale testing for 3-sided vertical enclosure (departure from BS 1366:5, 4-sided test requirement - requires contract approval).
3-sided Horizontal Enclosure up to 1500 mm x 500 mm	✓ Ad-hoc full-scale testing for 3-sided vertical enclosure (departure from BS 1366:5, 4-sided test requirement - requires contract approval).
VOC Emission Testing	✓ The IFS-ES enclosure passes Regulations & Protocols for VOC emissions including Indoor Air Comfort GOLD.
Tested to IPX6	✓ System subjected to powerful water jet without ingress.
Tested to IP5X	✓ System protected against the ingress of dust.
Third Party Accreditation FIRAS	✓ Imperial Ductwork Services Ltd holds a Warrington Fire Installer Accreditation for the Installation of Service Enclosures tested in accordance with BS EN 1366-5:2021



Ready to work together...

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