

Intertek C&E Management System		Page 1 of 4
Work Instruction (Inspection)		Document No.: WI-R-EMEA-CERT-INSP-PCS012
EMEA CERTIFICATION SCHEMES - PRODUCT CONTROL SPECIFICATIONS		
Issue Date: 19 th Feb 2015	Revision Date: 16 th June 2022	Approved by: Fredrik wannersten
	Effective Date: 16 th June 2022	

1.0 Purpose

Product Control Specifications (PCS) specify the requirements for routine inspections, tests, Product Verification Tests and sample selection for products certified under an Intertek EU Type 5 certification scheme (including GS, S, BEAB, ASTA, ENEC, BAUART and TICK MARK). They are for use by manufacturers and by factory inspectors.

2.0 Scope

Products: Cable ducting and trunking systems
Standards: IEC/EN 61084 series, EN 50085 series, SS424 10 32
Marks: S, ASTA, BAUART, TICK

3.0 Routine inspections and tests

3.1 General

The following requirements apply to most products.

Variations may be permitted by prior, written agreement from the certification body.

The factory should have a quality plan defining all inspections and tests on materials, components and completed products as appropriate.

Completed products shall be marked to confirm satisfactory completion of all required testing.

Any products which fail inspection or testing shall be segregated and not allowed to continue through the process until rectified and re-inspected or retested.

Products shall not be released until the testing equipment has been checked again following a production batch.

Records of inspections and test should be maintained and held for at least two years (ten years for records of crimping tests).

Records shall include:

- Type of product
- Date of test
- Place of manufacture
- Quantity tested
- Number of failures and actions taken

~ Note: After printing or download, this document is no longer under control and shall be used for reference only. ~

Intertek C&E Management System		Page 2 of 4
Work Instruction (Inspection)		Document No.: WI-R-EMEA-CERT-INSP-PCS012
EMEA CERTIFICATION SCHEMES - PRODUCT CONTROL SPECIFICATIONS		
Issue Date: 19 th Feb 2015	Revision Date: 16 th June 2022	Approved by: Fredrik wannersten
	Effective Date: 16 th June 2022	

3.2 Required inspections and tests

Inspection/test	Test parameters	Sampling plan
Correct selection and assembly of components	Visual, check to work instructions	100%
Cable space free from sharp edges, burrs and surface projections	Visual inspection	100%
Live parts with basic insulation and low-voltage (SELV) separated from each other	Visual inspection	100%
Functional test	Visual Inspection	100%
Earth continuity	A current derived from an AC source having a no-load voltage not exceeding 12 V and equal to 25 A ± 1 A at the nominal frequency of 50 Hz. Voltage drop is measured and resistance calculated. Resistance must not exceed 0.05 Ω	100%
Dielectric strength	A voltage of (2 Un + 1 000) V, where Un is the rated voltage, of substantially sine-wave form and having a nominal frequency of 50 Hz. The voltage is maintained for 1-2 s. No flash over or breakdown. (The manufacturer can define the minimum tripping current, making sure it is high enough to detect breakdown but at the same time taking into account possible operator safety issues.)	100%

4.0 Product Verification Tests/Periodic testing (refer to CIG 021 clause 4.8)

Product verification tests are in addition to the production line inspection and routine tests and are performed on samples taken randomly from the production line.

The manufacturer is responsible for conducting or arranging for the following periodic testing to be completed. Records shall be available for review during factory inspection visits.

Certification Mark	Frequency	PVT/periodic testing required
All	Annual	PVT not mandatory but it is recommended to demonstrate ongoing compliance with EU Directives. The following PVT is recommended Marking and instructions Construction Creepage, clearance and distance through insulation Protection against electrical shock

~ Note: After printing or download, this document is no longer under control and shall be used for reference only. ~

Intertek C&E Management System		Page 3 of 4
Work Instruction (Inspection)		Document No.: WI-R-EMEA-CERT-INSP-PCS012
EMEA CERTIFICATION SCHEMES - PRODUCT CONTROL SPECIFICATIONS		
Issue Date: 19 th Feb 2015	Revision Date: 16 th June 2022	Approved by: Fredrik wannersten
	Effective Date: 16 th June 2022	

		Mechanical strength Screws, current-carrying and connection parts Resistance to heat Resistance to flame propagation
--	--	---

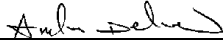
5.0 Surveillance testing by the Certification Body

If required, samples are selected during the factory inspection and the manufacturer should send these to the address provided. If samples are required but not available at the time of the inspection, the manufacturer should send these as soon as they become available. If there is no stock or production, the manufacturer should advise the certification body that samples will not be provided due to no production.

The certification body will arrange for the required testing to be completed. This will be charged to the manufacturer or Licence holder. A report of the testing will be provided.

Certification Mark	Surveillance testing requirements
ASTA	Samples to be selected each year as detailed on the sample selection record (form AFT-17) provided to the inspector before each visit.
SEMKO. BAUART, TICK	Regular selection of samples is not required. Samples may be required if any deviations to the type tested or non-compliance with the product standard are suspected

Intertek C&E Management System		Page 4 of 4
Work Instruction (Inspection)		Document No.: WI-R-EMEA-CERT-INSP-PCS012
EMEA CERTIFICATION SCHEMES - PRODUCT CONTROL SPECIFICATIONS		
Issue Date: 19 th Feb 2015	Revision Date: 16 th June 2022	Approved by: Fredrik wennersten
	Effective Date: 16 th June 2022	

Document History				
Revision No.	Date	Changes	Name & Title	
			Author	Approving Official
1	11/02/2015	Original issue	R W Hayward	
2	10/06/2022	3.2	Thomas Jonasson	Fredrik Wennersten

End of Document

~ Note: After printing or download, this document is no longer under control and shall be used for reference only. ~