

ST-BT-H rail technology, continuous



Single wire, cable, and conduit labelling

PRODUCT INFORMATION

Polyolefine (PO) heat-shrink conduit, type ST-BT-H Continuous

Halogen-free Polyolefine heat-shrink conduit for labelling cables with excellent properties for use with the thermal transfer method. This conduit, with its special approvals, is particularly suitable for applications in the fields of air and rail transport, marine, off-shore and tunnel construction.

Properties

Excellent printing properties
 Flat-rolled for thermal transfer method printing
 Halogen-free, thin-walled
 Shrink ratio of 2:1 (the recommended shrink range is -20 % of the max. value and +20 % of the min. value)
 Vehicle category 1a according to BS 6853 (1999)
 Fire resistance ASTM D 635-HB

Shrink temperature >90°C
 Application temperature -55°C to +105°C

Standards

ASTM D 635-HB flammability
 Boeing BSS 7239, formation of toxic gases during M7 material incineration

Rail standards

EN 45545-2 Tier 3x HL3 (R22)
 BS6853 (1999) vehicle category 1a
 UNI CEI 11170-3 Tier LR4
 DIN 5510-2 Annex C Low Smoke Toxicity
 DIN 5510-2 Drip Class ST2
 DIN 5510-2 Smoke Formation Tier SR2

Colour ribbon

The matching colour ribbon is listed under "Labelling System" in the "Thermal Transfer System" section with "Consumables".

SPECIFICATIONS

- Polyolefin
- 55 – 105 °C
- ASTM D 635-HB
- Heat-shrink conduit for railway technology; meets railway standard EN 45545-2 Tier 3x HL3 (R22)

Type	Order No.	Colour	Flat area mm	Max. Kabel-diameter mm	Shrinkage area from - to Ø mm	Recommended Colour ribbon	Soft-ware Type	Pack qty.
Continuous roll ware; 22 m roll¹⁾								
ST-BT-H 2,4 - 22m ¹⁾	86533300	White	4.20	2.40	2.40 – 1.20	FB-BT 40mm x 300m	AB7	22
ST-BT-H 3,2 - 22m ¹⁾	86533301	White	6.20	3.20	3.20 – 1.60	FB-BT 40mm x 300m	AB8	22
ST-BT-H 4,8 - 22m ¹⁾	86533302	White	8.50	4.80	4.80 – 2.40	FB-BT 40mm x 300m	AB0	22

¹⁾Information about packaging unit = roll length (m)

MATERIAL PROPERTIES

Polyolefin

THERMAL PROPERTIES

Temperature / temperature range
 -55 – 105 °C

ST-BT-H rail technology, continuous

FIRE BEHAVIOUR



Fire classification
ASTM D 635-HB

TECHNICAL INFORMATION



HF Halogen-free

APPROVALS AND OPERATING PERMITS



EU railway approval
EN 45545-2 R22/R23 3x HL3

GENERAL TECHNICAL DATA



Heat-shrink conduit for railway technology; meets railway standard EN 45545-2 Tier 3x HL3 (R22)

INSTALLATION METHOD



Heat-shrink conduit system

LABELLING TECHNOLOGY



Thermal transfer

All details given in our sales brochures and catalogues, as well as the information available online, are based on our current knowledge of the products described.

The electronic data and files made available by Murrplastik, particularly CAD files are based on our current knowledge of the product described.

A legally binding assurance of certain properties or the suitability for a certain purpose can not be determined from this information.

All information with respect to the chemical and physical properties of Murrplastik products, as well as application advice given verbally, in writing or by tests, is given to the best of our knowledge.

This does not free the purchaser of carrying out their own inspections and tests in order to determine the suitability of a product for a specific purpose.

Murrplastik accepts no responsibility for the available information being up-to-date, correct or complete. Neither do we accept responsibility for the quality of this information.

Murrplastik accepts no liability for damage caused as a result of using our products.

Murrplastik reserves the right to make technical changes and improvements through constant further development of products and services.

Our General Terms and Conditions apply.