

Shrink tube PROTECT-HF

The shrink tube is halogen-free and therefore particularly interesting for use in public buildings, airports, hospitals, etc. The shrink tube PROTECT-HF RW has also a Railway approval.

Info

Thin walled

Halogen-free



Rail



Good chemical resistance



Halogen-free

Benefits

Flexible

Halogen-free products do not develop corrosive or toxic gases in the event of a fire, are flame-retardant, show little fire propagation and develop only little smoke

PROTECT-HF RW: Can be flattened for marking purposes, suitable for railway applications

Application range

Insulation, protection and cable bundling

Green-yellow shrink tube: For identifying and marking earthing connectors and cables

PROTECT-HF RW: For railway applications and marking systems

Product features

Halogen-free

Good chemical resistance please see Appendix T1

Flame retardant

Silicone-free

UV-resistant (only colour: black)

Norm references / Approvals

PROTECT-HF / Box: Flammability class FMVSS 302

PROTECT-HF RW: Flammability class ASTM D 635-HB, Railway normative (BS-6853 (1999) Vehicle category 1A, EN 45545-2

Last Update (21.02.2024)

©2024 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

Shrink tube PROTECT-HF

HL 3, LUL 1-085 A3), Boeing BSS 7239 toxic gas generation M7

Included

PROTECT-HF Box: Stackable boxes for easy storage

PROTECT-HF: Plastic bag with 1.22 m units

PROTECT-HF RW: Delivered on spool

Technical Data

Classification ETIM 5:

ETIM 5.0 Class-ID: EC000217

ETIM 5.0 Class-Description: Heat-shrink tubing

Classification ETIM 6:

ETIM 6.0 Class-ID: EC000217

ETIM 6.0 Class-Description: Shrink tubing

On request:

Other colours are available upon request

Note:

Thin walled

Dielectric strength: 20 kV/mm

Info:

Shrinking ratio: 2:1

Colour delivered:

Black, Green-yellow, Yellow, White

Material:

Polyolefin

Temperature range:

Shrinking temperature: +90 °C

PROTECT-HF / Box: -30 °C to +105 °C

PROTECT-HF RW: -55 °C to +105 °C

Note

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

Shrink tube PROTECT-HF

Article number	Article description	Colour	Shrinkage range (mm)	Panel thickness, shrunk +- 0.1 mm	Pieces / PU	PU
Shrink tube PROTECT-HF Box						
61742489	PROTECT-HF Box 1,2/0,6 BK	black	1.2 - 0.6	0.41	15	1
61742490	PROTECT-HF Box 1,6/0,8 BK	black	1.6 - 0.8	0.43	15	1
61742491	PROTECT-HF Box 2,4/1,2 BK	black	2.4 - 1.2	0.51	15	1
61742492	PROTECT-HF Box 3,2/1,6 BK	black	3.2 - 1.6	0.51	15	1
61742493	PROTECT-HF Box 4,8/2,4 BK	black	4.8 - 2.4	0.51	12	1
61742494	PROTECT-HF Box 6,4/3,2 BK	black	6.4 - 3.2	0.65	12	1
61742495	PROTECT-HF Box 9,5/4,7 BK	black	9.5 - 4.7	0.65	10	1
61742496	PROTECT-HF Box 12,7/6,4 BK	black	12.7 - 6.4	0.65	8	1
61742497	PROTECT-HF Box 19,1/9,5 BK	black	19.1 - 9.5	0.77	5	1
61742498	PROTECT-HF Box 25,4/12,7 BK	black	25.4 - 12.7	0.89	3	1
Shrink tube PROTECT-HF						
61742472	PROTECT-HF 1,2/0,6 BK	black	1.2 - 0.6	0.41	61	1
61742473	PROTECT-HF 1,6/0,8 BK	black	1.6 - 0.8	0.43	61	1
61742474	PROTECT-HF 2,4/1,2 BK	black	2.4 - 1.2	0.51	61	1
61742475	PROTECT-HF 3,2/1,6 BK	black	3.2 - 1.6	0.51	61	1
61742476	PROTECT-HF 4,8/2,4 BK	black	4.8 - 2.4	0.51	61	1
61742477	PROTECT-HF 6,4/3,2 BK	black	6.4 - 3.2	0.65	30.5	1
61742478	PROTECT-HF 9,5/4,7 BK	black	9.5 - 4.7	0.65	30.5	1
61742479	PROTECT-HF 12,7/6,4 BK	black	12.7 - 6.4	0.65	30.5	1
61742480	PROTECT-HF 19,1/9,5 BK	black	19.1 - 9.5	0.77	30.5	1

Shrink tube PROTECT-HF

Article number	Article description	Colour	Shrinkage range (mm)	Panel thickness, shrunk +- 0.1 mm	Pieces / PU	PU
61742481	PROTECT-HF 25,4/12,7 BK	black	25.4 - 12.7	0.89	18.3	1
61742482	PROTECT-HF 3,2/1,6 GN/YE	green-yellow	3.2 - 1.6	0.51	61	1
61742483	PROTECT-HF 4,8/2,4 GN/YE	green-yellow	4.8 - 2.4	0.51	61	1
61742484	PROTECT-HF 6,4/3,2 GN/YE	green-yellow	6.4 - 3.2	0.65	30.5	1
61742485	PROTECT-HF 9,5/4,7 GN/YE	green-yellow	9.5 - 9.5	0.65	30.5	1
61742486	PROTECT-HF 12,7/6,4 GN/YE	green-yellow	12.7 - 6.4	0.65	30.5	1
61742487	PROTECT-HF 19,1/9,5 GN/YE	green-yellow	19.1 - 9.5	0.77	30.5	1
61742488	PROTECT-HF 25,4/12,7 GN/YE	green-yellow	25.4 - 12.7	0.89	18.3	1
Shrink tube PROTECT-HF RW						
61742499	PROTECT-HF RW 2,4/1,2 BK	black	2.4 - 1.2	0.43 - 0.6	300	1
61742501	PROTECT-HF RW 3,2/1,6 BK	black	3.2 - 1.6	0.55 - 0.72	300	1
61742502	PROTECT-HF RW 4,8/2,4 BK	black	4.8 - 2.4	0.55 - 0.72	300	1
61742503	PROTECT-HF RW 6,4/3,2 BK	black	6.4 - 3.2	0.65 - 0.8	300	1
61742504	PROTECT-HF RW 9,5/4,7 BK	black	9.5 - 4.7	0.65 - 0.75	150	1
61742505	PROTECT-HF RW 12,7/6,4 BK	black	12.7 - 6.4	0.65 - 0.75	100	1
61742506	PROTECT-HF RW 19,1/9,5 BK	black	19.1 - 9.5	0.7 - 0.85	50	1
61742507	PROTECT-HF RW 25,4/12,7 BK	black	25.4 - 12.7	0.85 - 1.0	50	1
61742508	PROTECT-HF RW 2,4/1,2 WH	white	2.4 - 1.2	0.43 - 0.6	300	1
61742509	PROTECT-HF RW 3,2/1,6 WH	white	3.2 - 1.6	0.55 - 0.72	300	1
61742510	PROTECT-HF RW 4,8/2,4 WH	white	4.8 - 2.4	0.55 - 0.72	300	1
61742511	PROTECT-HF RW	white	6.4 - 3.2	0.65 - 0.8	300	1

Shrink tube PROTECT-HF

Article number	Article description	Colour	Shrinkage range (mm)	Panel thickness, shrunk +- 0.1 mm	Pieces / PU	PU
	6,4/3,2 WH					
61742512	PROTECT-HF RW 9,5/4,7 WH	white	9.5 - 4.7	0.65 - 0.75	150	1
61742513	PROTECT-HF RW 12,7/6,4 WH	white	12.7 - 6.4	0.65 - 0.75	100	1
61742514	PROTECT-HF RW 19,1/9,5 WH	white	19.1 - 9.5	0.7 - 0.85	50	1
61742523	PROTECT-HF RW 25,4/12,7 WH	white	25.4 - 12.7	0.85 - 1.0	50	1
61742515	PROTECT-HF RW 2,4/1,2 YE	yellow	2.4 - 1.2	0.43 - 0.6	300	1
61742516	PROTECT-HF RW 3,2/1,6 YE	yellow	3.2 - 1.6	0.55 - 0.72	300	1
61742517	PROTECT-HF RW 4,8/2,4 YE	yellow	4.8 - 2.4	0.55 - 0.72	300	1
61742518	PROTECT-HF RW 6,4/3,2 YE	yellow	6.4 - 3.2	0.65 - 0.8	300	1
61742519	PROTECT-HF RW 9,5/4,7 YE	yellow	9.5 - 4.7	0.65 - 0.75	150	1
61742520	PROTECT-HF RW 12,7/6,4 YE	yellow	12.7 - 6.4	0.65 - 0.75	100	1
61742521	PROTECT-HF RW 19,1/9,5 YE	yellow	19.1 - 9.5	0.7 - 0.85	50	1
61742522	PROTECT-HF RW 25,4/12,7 YE	yellow	25.4 - 12.7	0.85 - 1.0	50	1

Last Update (21.02.2024)

©2024 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03_16