

Heat shrinkable tubes
HUPshrink



INFO

HUPshrink - HAUPA Heat shrinkable tubes

Shrinking tubes are plastic tubes that rapidly contract upon exposure to heat - mostly through the injection of hot air. The object is inserted into the tube prior to heating and is therefore electrically insulated against its environment and protected from mechanical damage.

Application:

Heat shrinkable tubes serve as insulation and mechanical protection. Areas of application are, for instance, the repairing of components in electrical engineering or the cutting of cables. The three main electronic and electrotechnical applications of the tubes are for sealing, insulation and protection.

Adhesive:

The HAUPA heat shrinkable tubes HUPshrink are available with or without an adhesive lining on the inside. The tubes with an adhesive lining allow for precise work, offer robust connections and very good protection against corrosion.

Shrink ratio:

The basic material (plastic) used and the thickness of the wall determine how much a shrinking tube can expand. The shrink ratio gives the size of the original heat shrink tube in relation to its shrunken, final form. (Original size to (:) Final size). The higher the shrink ratio, the greater the variation in diameter that can be covered.

Important electrical performance features:

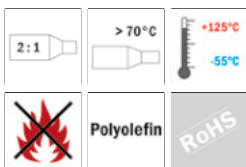
- Dielectric strength 19 kV/mm
- Specific electrical resistance 1 x 10¹⁴ Ω/cm

Notes for using:

- Cut the heat shrinkable tubes to desired length, this should be done on a smooth surface
- Conduct the shrinking on a clean, preferably dust and grease-free surface
- Start the shrink process unilaterally from one end of the tube
- Shrink temperature:
 - +70 °C - +115 °C (without adhesive lining) respectively
 - +80 °C - +115 °C (with adhesive lining)
- Optimum results when used with the matching Industrial hot air blower (Art. no. 262097 - see page 200).

Set HUPshrink21TW thin-walled 2:1

Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, 160 pieces, in plastic box, thin-walled

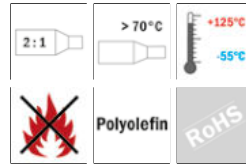


Art. no.	2:1	black	160-pieces	kg	PU
267200 *				0,060	1

Heat shrinkable tubes

Set HUPshrink21TW thin-walled 2:1 coloured

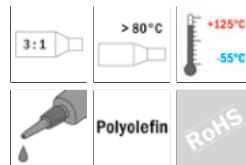
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, 160 pieces, in plastic box, thin-walled



Art. no.	2:1	6 colours	160-pieces	kg	PU
267202 *				0,060	1

Set HUPshrink31DW-A double-walled 3:1 with adhesive lining

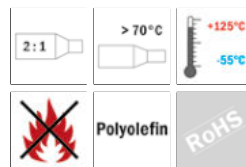
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 55° C to 125° C, 25 pieces, in plastic box, double-walled, with adhesive lining



Art. no.	3:1	black	25-pieces	kg	PU
267204 *				0,060	1

Set HUPshrink21TW thin-walled 2:1 coloured

Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, 160 pieces, in plastic box, thin-walled

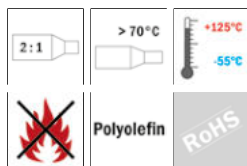


Art. no.	2:1	4 colours	160-pieces	kg	PU
267206 *				0,060	1

Heat shrinkable tubes

HUPshrink21TW thin-walled 2:1

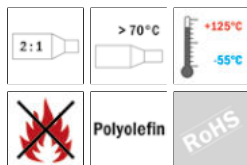
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, 50 pieces, 0.1 m long packaged in a polybag, thin-walled



Art. no.	m		Ø before	Ø after		kg	PU
267000	0,1	2:1	2,5	1,0	█	0,020	50
267002	0,1	2:1	3,5	1,5	█	0,035	50
267004	0,1	2:1	5,0	2,25	█	0,050	50
267006	0,1	2:1	6,5	3,0	█	0,067	50
267008	0,1	2:1	9,6	4,5	█	0,040	25
267010	0,1	2:1	12,7	6,0	█	0,022	10
267012	0,1	2:1	19,0	9,0	█	0,030	10
267014	0,1	2:1	26,0	12,5	█	0,050	10

HUPshrink21 thin-walled 2:1 blister package

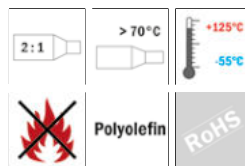
of polyolefin, radiation interlaced, self extinguished according to MV SS 302, thin and flexible, dielectric strength 15 - 25 KV/mm acc. to DIN 53481, operating temperature: - 55° C to 125° C, shrinking temperature: > 70° C, 1 m length in self-service-pack



Art. no.	m		Ø before	Ø after		kg	PU
262085	1	2:1	4,8	2,4	█	0,007	1
262086	1	2:1	6,4	3,2	█	0,010	1
262087	1	2:1	9,5	4,8	█	0,012	1
262088	1	2:1	12,7	6,4	█	0,017	1
262089	1	2:1	19,0	9,5	█	0,035	1
262090	1	2:1	25,4	12,7	█	0,045	1

HUPshrink21TW thin-walled 2:1 Box

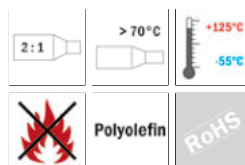
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C - 125° C, 5/10m roll in dispenser, thin-walled



Art. no.	m		Ø before	Ø after		kg	PU
267016	10	2:1	2,5	1,0	█	0,150	1
267018	10	2:1	3,5	1,5	█	0,160	1
267020	10	2:1	5,0	2,25	█	0,183	1
267022	5	2:1	6,5	3,0	█	0,111	1
267024	5	2:1	9,6	4,5	█	0,133	1
267026	5	2:1	12,7	6,0	█	0,210	1
267028	5	2:1	19,0	9,0	█	0,222	1
267030	5	2:1	26,0	12,5	█	0,350	1
267032	10	2:1	2,5	1,0	█	0,150	1
267034	10	2:1	3,5	1,5	█	0,160	1
267036	10	2:1	5,0	2,25	█	0,183	1
267038	5	2:1	6,5	3,0	█	0,111	1
267040	5	2:1	9,6	4,5	█	0,133	1
267042	5	2:1	12,7	6,0	█	0,210	1
267044	5	2:1	19,0	9,0	█	0,222	1
267046	5	2:1	26,0	12,5	█	0,350	1
267132	10	2:1	2,5	1,0	█	0,350	1
267134	10	2:1	3,5	1,5	█	0,350	1
267136	10	2:1	5,0	2,25	█	0,350	1
267138	5	2:1	6,5	3,0	█	0,350	1
267140	5	2:1	9,6	4,5	█	0,350	1
267142	5	2:1	12,7	6,0	█	0,350	1
267144	5	2:1	19,0	9,0	█	0,350	1
267146	5	2:1	26,0	12,5	█	0,350	1

HUPshrink21TW thin-walled 2:1

Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, 25m roll packaged in a polybag, thin-walled



Art. no.	m		Ø before	Ø after		kg	PU
267048	25	2:1	2,5	1,0	█	0,250	1
267050	25	2:1	3,5	1,5	█	0,339	1
267052	25	2:1	5,0	2,25	█	0,401	1
267054	25	2:1	6,5	3,0	█	0,420	1
267056	25	2:1	9,6	4,5	█	0,445	1
267058	25	2:1	12,7	6,0	█	0,745	1
267060	25	2:1	19,0	9,0	█	0,876	1
267062	25	2:1	26,0	12,5	█	1,320	1

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Heat shrinkable tubes

HUPshrink21TW thin-walled 2:1

Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, packaged in a polybag, thin-walled

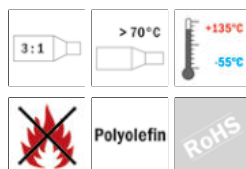


Art. no.	m	∅ before	∅ after	kg	PU	
267250	1,2	2:1	1,2	0,6	0,006	1
267252	1,2	2:1	1,6	0,8	0,006	1
267254	1,2	2:1	2,5	1,0	0,008	1
267256	1,2	2:1	3,5	1,5	0,009	1
267258	1,2	2:1	5,0	2,25	0,011	1
267260	1,2	2:1	6,5	3,0	0,014	1
267262	1,2	2:1	9,6	4,5	0,019	1
267264	1,2	2:1	12,7	6,0	0,024	1
267266	1,2	2:1	19,0	9,0	0,043	1
267268	1,2	2:1	26,0	12,5	0,061	1
267272	1,2	2:1	1,6	0,8	0,006	1
267274	1,2	2:1	2,5	1,0	0,008	1
267276	1,2	2:1	3,5	1,5	0,009	1
267278	1,2	2:1	5,0	2,25	0,011	1
267280	1,2	2:1	6,5	3,0	0,014	1
267282	1,2	2:1	9,6	4,5	0,019	1
267284	1,2	2:1	12,7	6,0	0,024	1
267286	1,2	2:1	19,0	9,0	0,043	1
267288	1,2	2:1	26,0	12,5	0,061	1
267292	1,2	2:1	1,6	0,8	0,006	1
267294	1,2	2:1	2,5	1,0	0,008	1
267296	1,2	2:1	3,5	1,5	0,009	1
267298	1,2	2:1	5,0	2,25	0,011	1
267300	1,2	2:1	6,5	3,0	0,014	1
267302	1,2	2:1	9,6	4,5	0,019	1
267304	1,2	2:1	12,7	6,0	0,024	1
267306	1,2	2:1	19,0	9,0	0,043	1
267308	1,2	2:1	26,0	12,5	0,061	1
267312	1,2	2:1	1,6	0,8	0,006	1
267314	1,2	2:1	2,5	1,0	0,008	1
267316	1,2	2:1	3,5	1,5	0,009	1
267318	1,2	2:1	5,0	2,25	0,011	1
267320	1,2	2:1	6,5	3,0	0,014	1
267322	1,2	2:1	9,6	4,5	0,019	1
267324	1,2	2:1	12,7	6,0	0,024	1
267326	1,2	2:1	19,0	9,0	0,043	1
267328	1,2	2:1	26,0	12,5	0,061	1
267332	1,2	2:1	1,6	0,8	0,006	1
267334	1,2	2:1	2,5	1,0	0,008	1
267336	1,2	2:1	3,5	1,5	0,009	1
267338	1,2	2:1	5,0	2,25	0,011	1
267340	1,2	2:1	6,5	3,0	0,014	1
267342	1,2	2:1	9,6	4,5	0,019	1
267344	1,2	2:1	12,7	6,0	0,024	1
267346	1,2	2:1	19,0	9,0	0,043	1
267348	1,2	2:1	26,0	12,5	0,061	1
267352	1,2	2:1	1,6	0,8	0,006	1
267354	1,2	2:1	2,5	1,0	0,008	1
267356	1,2	2:1	3,5	1,5	0,009	1
267358	1,2	2:1	5,0	2,25	0,011	1
267360	1,2	2:1	6,5	3,0	0,014	1
267362	1,2	2:1	9,6	4,5	0,019	1
267364	1,2	2:1	12,7	6,0	0,024	1
267366	1,2	2:1	19,0	9,0	0,043	1
267368	1,2	2:1	26,0	12,5	0,061	1

Art. no.	m	∅ before	∅ after	kg	PU	
267372	1,2	2:1	1,6	0,8	0,006	1
267374	1,2	2:1	2,5	1,0	0,008	1
267376	1,2	2:1	3,5	1,5	0,009	1
267378	1,2	2:1	5,0	2,25	0,011	1
267380	1,2	2:1	6,5	3,0	0,014	1
267382	1,2	2:1	9,6	4,5	0,019	1
267384	1,2	2:1	12,7	6,0	0,024	1
267386	1,2	2:1	19,0	9,0	0,043	1
267388	1,2	2:1	26,0	12,5	0,061	1
267392	1,2	2:1	1,6	0,8	0,007	1
267394	1,2	2:1	2,5	1,0	0,008	1
267396	1,2	2:1	3,5	1,5	0,008	1
267398	1,2	2:1	5,0	2,25	0,011	1
267400	1,2	2:1	6,5	3,0	0,014	1
267402	1,2	2:1	9,6	4,5	0,020	1
267404	1,2	2:1	12,7	6,0	0,024	1
267406	1,2	2:1	19,0	9,0	0,041	1
267408	1,2	2:1	26,0	12,5	0,058	1

HUPshrink31DW double-walled 3:1

Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 135° C, 1.2m packaged in a polybag, double-walled

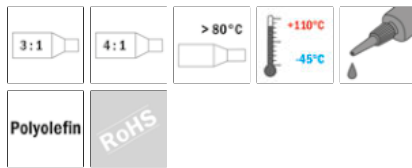


Art. no.	m	∅ before	∅ after	kg	PU	
267430	1,2	3:1	3,0	1,0	0,009	1
267432	1,2	3:1	6,0	2,0	0,013	1
267434	1,2	3:1	9,0	3,0	0,020	1
267436	1,2	3:1	12,0	4,0	0,025	1
267438	1,2	3:1	18,0	6,0	0,039	1
267440	1,2	3:1	25,0	8,0	0,060	1
267442	1,2	3:1	3,0	1,0	0,008	1
267444	1,2	3:1	6,0	2,0	0,013	1
267446	1,2	3:1	9,0	3,0	0,019	1
267448	1,2	3:1	12,0	4,0	0,024	1
267450	1,2	3:1	18,0	6,0	0,041	1
267452	1,2	3:1	25,0	8,0	0,064	1

Heat shrinkable tubes with adhesive lining

HUPshrink31MW-A | HUPshrink41MW-A medium-walled 3:1, 4:1 with adhesive lining

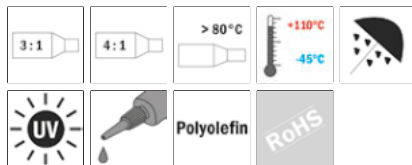
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 45° C to 110° C, 1.2m packaged in a polybag, medium-walled, with adhesive lining



Art. no.	m		∅ before	∅ after		kg	PU
267102	1,2	4:1	8,0	2,0	█	0,050	1
267104	1,2	4:1	12,0	3,0	█	0,061	1
267106	1,2	4:1	22,0	6,0	█	0,118	1
267108	1,2	4:1	33,0	8,0	█	0,180	1
267118	1,2	4:1	95,0	25,0	█	0,510	1
267110	1,2	3:1	40,0	12,0	█	0,210	1
267112	1,2	3:1	55,0	16,0	█	0,300	1
267114	1,2	3:1	65,0	19,0	█	0,380	1
267116	1,2	3:1	75,0	22,0	█	0,395	1
267120	1,2	3:1	115,0	34,0	█	0,830	1

HUPshrink31DW-A | HUPshrink41DW-A double-walled 3:1, 4:1 with adhesive lining

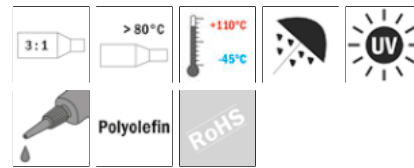
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 45° C to 110° C, 1.2m packaged in a polybag, double-walled, with adhesive lining



Art. no.	m		∅ before	∅ after		kg	PU
267064	1,2	3:1	3,2	1,0	█	0,025	1
267066	1,2	3:1	4,8	1,6	█	0,035	1
267068	1,2	3:1	6,4	2,0	█	0,040	1
267070	1,2	3:1	9,5	3,0	█	0,050	1
267074	1,2	3:1	12,7	4,0	█	0,060	1
267078	1,2	3:1	19,1	6,0	█	0,080	1
267080	1,2	3:1	24,5	8,0	█	0,100	1
267084	1,2	3:1	38,1	13,0	█	0,170	1
267088	1,2	4:1	52,0	13,0	█	0,290	1

HUPshrink31DW-A double-walled 3:1 with adhesive lining Box

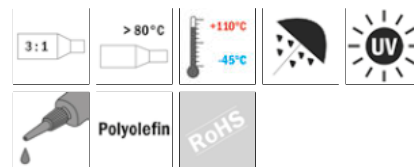
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 45° C - 110° C, 5/10m roll in dispenser, double-walled, with adhesive lining



Art. no.	m		∅ before	∅ after		kg	PU
267090	10	3:1	3,0	1,0	█	0,205	1
267092	5	3:1	6,0	2,0	█	0,215	1
267094	5	3:1	9,0	3,0	█	0,220	1

HUPshrink31DW-A double-walled 3:1 with adhesive lining

Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 45° C - 110° C, 5m roll, double-walled, with adhesive lining



Art. no.	m		∅ before	∅ after		kg	PU
267096	5	3:1	12,0	4,0	█	0,320	1
267098	5	3:1	19,0	6,0	█	0,403	1
267100	5	3:1	24,0	8,0	█	0,570	1

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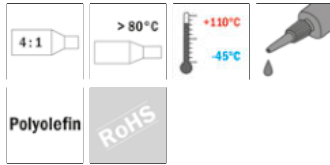
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Heat shrinkable tubes with adhesive lining

HUPshrink41DW-A double-walled 4:1 with adhesive lining

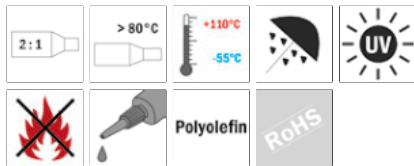
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 45° C to 110° C, 1.2m packaged in a polybag, double-walled, with adhesive lining



Art. no.	m	Ø before	Ø after	kg	PU
267460	1,2	4:1 4,0	1,0	0,013	1
267462	1,2	4:1 8,0	2,0	0,017	1
267464	1,2	4:1 12,0	3,0	0,030	1
267466	1,2	4:1 16,0	4,0	0,051	1
267468	1,2	4:1 24,0	6,0	0,103	1
267470	1,2	4:1 32,0	8,0	0,120	1
267472	1,2	4:1 52,0	13,0	0,183	1

Heat-shrinkable end caps

- Designed with a layer of spiral coated hot melt adhesive in the internal surface of the end cap.
- Provides highly resistant to moisture, fungus, and corrosion.
- Recommended for use both in open air and on underground power distribution cables with PVC, lead or XLPE sheaths.
- Shrinkable Ratio: 2:1.
- Electrical insulation to 1000V.
- Easy installation over the cable end.
- Abrasion resistance and mechanical protection.



Art. no.	Cable-Ø	KaL	WaSt	kg	PU
267500	4 - 10	15	2,6	0,003	100
267502	6 - 16	25	2,8	0,005	50
267506	18 - 32	40	3,3	0,018	25
267508	28 - 48	50	3,5	0,044	10
267510	45 - 68	55	4,0	0,064	10
267512	55 - 90	70	4,0	0,110	25
267514	65 - 110	70	4,0	0,143	20

Industrial hot air blower

Torch brazing set SolderingKit

12-pieces, for pocket lighter butane gas, with Piezo ignition, heating time: +/- 25 seconds (peak), performance can be infinitely regulated, temperatures with naked flame up to bis 1200 °C, brazing up to 550 °C, heat shrinking up to 680 °C, burn time approximately 60 minutes, in black plastic case.



Art. no.	Content	kg	PU
262098	12	0,670	1

Industrial hot air blower for heat shrinkable tubes

Electronic hot air blower with continuous temperature control and two blower levels, characterised by low weight and slim design. This makes it ideal for long and fatigue-free working and for use in difficult to access areas. The temperature control is continuous, and the air volume can be set to two different levels. For heat shrinkable tubes.

Technical data:

Length/Ø (at shock protection): 325 mm / 85 mm
 Voltage: 230 V / 50 Hz (special voltages possible)
 Power: 2000 W
 Temperature: 100° - 600° C continuous control
 Air volume: min. 300 l/min. / max. 500 l/min.



Art. no.	kg	PU
262097	0,773	1