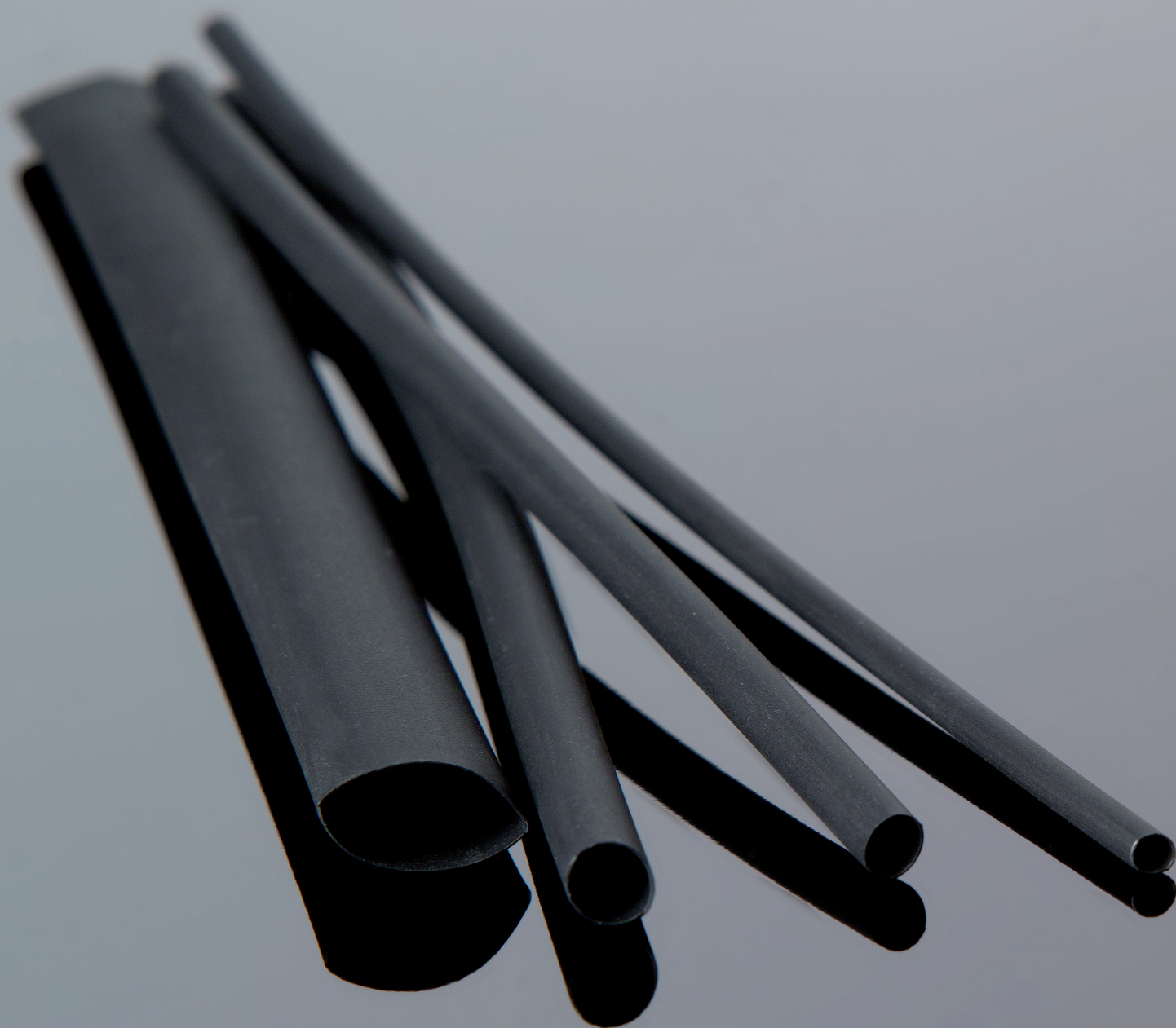




From General Catalogue
61st Edition





CABLE PROTECTION

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CABLE PROTECTION · THERMO SHRINKING · THIN WALL 2:1 · REEL

**TYPE:** single wall**SHRINKAGE RATIO:** 2:1**MATERIAL:** polyethylene**OPERATING TEMPERATURE:** from -55°C to +125°C max (+105 °C max for transparent)**SHRINKAGE TEMPERATURE:** from +70°C to +125°C**VRMS MAX:** 600 V**HALOGEN FREE:** all colours except for yellow-green and transparent**SHEATH SELF-EXTINGUISHING GRADE:** UL 224 VW-1 (except transparent and yellow-green)**APPLICATIONS:** economic and efficient insulation and protection of connections and terminals in various industries, including electronics, automotive, railway and marine. The availability of many colours makes cable identification easy.

Code	Size (mm)	Length (m)	Color	D1 (Ø mm)	D2 (Ø mm)	S1 (mm)	(m)
GBS012BBI	1,2	200	White	1,2	0,6	0,38	200/200
GBS012BBL		200	Blue			0,38	200/200
GBS012BNE		200	Black			0,38	200/200
GBS012BR0		200	Red			0,38	200/200
GBS012BTR•		200	Transparent			0,38	200/200
GBS016BBI	1,6	200	White	1,6	0,8	0,40	200/200
GBS016BBL		200	Blue			0,40	200/200
GBS016BNE		200	Black			0,40	200/200
GBS016BR0		200	Red			0,40	200/200
GBS016BTR•		200	Transparent			0,40	200/200
GBS024BBI	2,4	200	White	2,4	1,2	0,48	200/200
GBS024BBL		200	Blue			0,48	200/200
GBS024BNE		200	Black			0,48	200/200
GBS024BR0		200	Red			0,48	200/200
GBS024BTR•		200	Transparent			0,48	200/200
GBS032BBI	3,2	200	White	3,2	1,6	0,48	200/200
GBS032BBL		200	Blue			0,48	200/200
GBS032BGV•		200	YellowGreen			0,48	200/200
GBS032BNE		200	Black			0,48	200/200
GBS032BR0		200	Red			0,48	200/200
GBS032BTR•		200	Transparent			0,48	200/200
GBS048BBI	4,8	100	White	4,8	2,4	0,48	100/100
GBS048BBL		100	Blue			0,48	100/100
GBS048BGV•		100	YellowGreen			0,48	100/100
GBS048BNE		100	Black			0,48	100/100
GBS048BR0		100	Red			0,48	100/100
GBS048BTR•		100	Transparent			0,48	100/100
GBS064BBI	6,4	100	White	6,4	3,2	0,56	100/100
GBS064BBL		100	Blue			0,56	100/100
GBS064BGV•		100	YellowGreen			0,56	100/100
GBS064BNE		100	Black			0,56	100/100
GBS064BR0		100	Red			0,56	100/100
GBS064BTR•		100	Transparent			0,56	100/100
GBS095BBI	9,5	100	White	9,5	4,8	0,62	100/100
GBS095BBL		100	Blue			0,62	100/100
GBS095BGV•		100	YellowGreen			0,62	100/100
GBS095BNE		100	Black			0,62	100/100
GBS095BR0		100	Red			0,62	100/100
GBS095BTR•		100	Transparent			0,62	100/100
GBS127BBI	12,7	100	White	12,7	6,4	0,62	100/100
GBS127BBL		100	Blue			0,62	100/100
GBS127BGV•		100	YellowGreen			0,62	100/100
GBS127BNE		100	Black			0,62	100/100
GBS127BR0		100	Red			0,62	100/100
GBS127BTR•		100	Transparent			0,62	100/100

Code	Size (mm)	Length (m)	Color	D1 (Ø mm)	D2 (Ø mm)	S1 (mm)	 (m)
GBS190BBI	19	100	 White	19,1	9,5	0,89	100/100
GBS190BBL		100	 Blue			0,89	100/100
GBS190BGV•		100	 YellowGreen			0,89	100/100
GBS190BNE		100	 Black			0,89	100/100
GBS190BRO		100	 Red			0,89	100/100
GBS190BTR•		100	 Transparent			0,89	100/100
GBS254BBI	25,4	50	 White	25,4	12,7	0,89	50/50
GBS254BBL		50	 Blue			0,89	50/50
GBS254BGV•		50	 YellowGreen			0,89	50/50
GBS254BNE		50	 Black			0,89	50/50
GBS254BRO		50	 Red			0,89	50/50
GBS254BTR•		50	 Transparent			0,89	50/50
GBS318BBI	31,8	50	 White	31,8	15,9	1,00	50/50
GBS318BBL		50	 Blue			1,00	50/50
GBS318BNE•		50	 Black			1,00	50/50
GBS318BRO		50	 Red			1,00	50/50
GBS318BTR•		50	 Transparent			1,00	50/50
GBS380BBI	38	50	 White	38,1	19,1	1,00	50/50
GBS380BBL		50	 Blue			1,00	50/50
GBS380BGV•		50	 YellowGreen			1,00	50/50
GBS380BNE		50	 Black			1,00	50/50
GBS380BRO		50	 Red			1,00	50/50
GBS380BTR•		50	 Transparent			1,00	50/50
GBS510BBI•	51	25	 White	50,8	25,4	1,10	25/25
GBS510BBL•		25	 Blue			1,10	25/25
GBS510BNE•		25	 Black			1,10	25/25
GBS510BRO•		25	 Red			1,10	25/25
GBS510BTR•		25	 Transparent			1,10	25/25
GBS760BBI•	76	25	 White	76,2	38,1	1,20	25/25
GBS760BBL•		25	 Blue			1,20	25/25
GBS760BNE•		25	 Black			1,20	25/25
GBS760BRO•		25	 Red			1,20	25/25
GBS760BTR•		25	 Transparent			1,20	25/25
GBS102BBI•	102	25	 White	101,6	50,8	1,35	25/25
GBS102BBL•		25	 Blue			1,35	25/25
GBS102BNE•		25	 Black			1,35	25/25
GBS102BRO•		25	 Red			1,35	25/25
GBS102BTR•		25	 Transparent			1,35	25/25

THERMO SHRINKING CABLE PROTECTION - THIN WALL 2:1 - IN MINIBOX



SHRINKAGE RATIO: 2:1

MATERIAL: polyethylene

OPERATING TEMPERATURE: from -55°C to +125°C max

SHRINKAGE TEMPERATURE: from +70°C to +125°C

VRMS MAX: 600 V

HALOGEN FREE: all colours except for yellow-green

SHEATH SELF-EXTINGUISHING GRADE: UL 224 VW-1 except for yellow-green

APPLICATIONS: economic and efficient insulation and protection of connections and terminals in various industries, including electronics, automotive, railway and marine. The availability of many colours makes cable identification easy.

Code	Size (mm)	Length (m)	Color	D1 (Ø mm)	D2 (Ø mm)	S1 (mm)	
GBS016MBL	1,6	12	Blue	1,6	0,8	0,40	1/1
GBS016MNE		12	Black			0,40	1/1
GBS016MRO		12	Red			0,40	1/1
GBS024MBL	2,4	11	Blue	2,4	1,2	0,48	1/1
GBS024MNE		11	Black			0,48	1/1
GBS024MRO		11	Red			0,48	1/1
GBS032MBL	3,2	11	Blue	3,2	1,6	0,48	1/1
GBS032MGV•		11	YellowGreen			0,48	1/1
GBS032MNE		11	Black			0,48	1/1
GBS032MRO		11	Red			0,48	1/1
GBS048MBL	4,8	10	Blue	4,8	2,4	0,48	1/1
GBS048MGV•		10	YellowGreen			0,48	1/1
GBS048MNE		10	Black			0,48	1/1
GBS048MRO		10	Red			0,48	1/1
GBS064MBL	6,4	9	Blue	6,4	3,2	0,56	1/1
GBS064MGV•		9	YellowGreen			0,56	1/1
GBS064MNE		9	Black			0,56	1/1
GBS064MRO		9	Red			0,56	1/1
GBS095MBL	9,5	7	Blue	9,5	4,8	0,62	1/1
GBS095MGV•		7	YellowGreen			0,62	1/1
GBS095MNE		7	Black			0,62	1/1
GBS095MRO		7	Red			0,62	1/1
GBS127MBL	12,7	6	Blue	12,7	6,4	0,62	1/1
GBS127MGV•		6	YellowGreen			0,62	1/1
GBS127MNE		6	Black			0,62	1/1
GBS127MRO		6	Red			0,62	1/1
GBS190MBL	19	5	Blue	19,1	9,5	0,69	1/1
GBS190MGV•		5	YellowGreen			0,69	1/1
GBS190MNE		5	Black			0,69	1/1
GBS190MRO		5	Red			0,69	1/1
GBS254MBL	25,4	3,5	Blue	25,4	12,7	0,89	1/1
GBS254MGV•		3,5	YellowGreen			0,89	1/1
GBS254MNE		3,5	Black			0,89	1/1
GBS254MRO		3,5	Red			0,89	1/1



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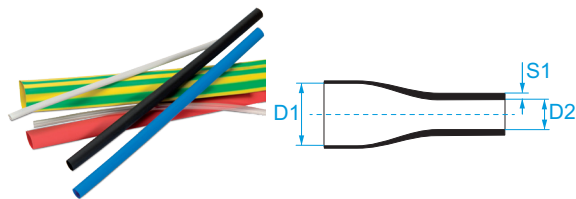
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**HALOGEN
FREE**

**FLAME
RETARDANT**

2:1

THERMO SHRINKING CABLE PROTECTION - THIN WALL 2:1 - BAR



TYPE: single wall

SHRINKAGE RATIO: 2:1

MATERIAL: polyethylene

OPERATING TEMPERATURE: from -55°C to +125°C max (+105 °C max for transparent)

SHRINKAGE TEMPERATURE: from +70°C to +125°C

VRMS MAX: 600 V

HALOGEN FREE: all colours except for yellow-green and transparent

SHEATH SELF-EXTINGUISHING GRADE: UL 224 VW-1 (except transparent and yellow-green)

APPLICATIONS: economic and efficient insulation and protection of connections and terminals in various industries, including electronics, automotive, railway and marine. The availability of many colours makes cable identification easy.

Code	Size (mm)	Length (m)	Color	D1 (Ø mm)	D2 (Ø mm)	S1 (mm)	
GBS024SBI	2,4	1	White	2,4	1,2	0,48	25/25
GBS024SBL		1	Blue			0,48	25/25
GBS024SNE		1	Black			0,48	25/25
GBS024SRO		1	Red			0,48	25/25
GBS024STR•		1	Transparent			0,48	25/25
GBS032SBI	3,2	1	White	3,2	1,6	0,48	25/25
GBS032SBL		1	Blue			0,48	25/25
GBS032SGV•		1	YellowGreen			0,48	25/25
GBS032SNE		1	Black			0,48	25/25
GBS032SRO		1	Red			0,48	25/25
GBS032STR•		1	Transparent			0,48	25/25
GBS048SBI	4,8	1	White	4,8	2,4	0,48	10/10
GBS048SBL		1	Blue			0,48	10/10
GBS048SGV•		1	YellowGreen			0,48	10/10
GBS048SNE		1	Black			0,48	10/10
GBS048SRO		1	Red			0,48	10/10
GBS048STR•		1	Transparent			0,48	10/10
GBS064SBI	6,4	1	White	6,4	3,2	0,56	10/10
GBS064SBL		1	Blue			0,56	10/10
GBS064SGV•		1	YellowGreen			0,56	10/10
GBS064SNE		1	Black			0,56	10/10
GBS064SRO		1	Red			0,56	10/10
GBS064STR•		1	Transparent			0,56	10/10
GBS095SBI	9,5	1	White	9,5	4,8	0,62	10/10
GBS095SBL		1	Blue			0,62	10/10
GBS095SGV•		1	YellowGreen			0,62	10/10
GBS095SNE		1	Black			0,62	10/10
GBS095SRO		1	Red			0,62	10/10
GBS095STR•		1	Transparent			0,62	10/10
GBS127SBI	12,7	1	White	12,7	6,4	0,62	10/10
GBS127SBL		1	Blue			0,62	10/10
GBS127SGV•		1	YellowGreen			0,62	10/10
GBS127SNE		1	Black			0,62	10/10
GBS127SRO		1	Red			0,62	10/10
GBS127STR•		1	Transparent			0,62	10/10
GBS190SBI	19	1	White	19,1	9,5	0,69	10/10
GBS190SBL		1	Blue			0,69	10/10
GBS190SGV•		1	YellowGreen			0,69	10/10
GBS190SNE		1	Black			0,69	10/10
GBS190SRO		1	Red			0,69	10/10
GBS190STR•		1	Transparent			0,69	10/10
GBS254SBI	25,4	1	White	25,4	12,7	0,89	10/10
GBS254SBL		1	Blue			0,89	10/10
GBS254SGV•		1	YellowGreen			0,89	10/10
GBS254SNE		1	Black			0,89	10/10
GBS254SRO		1	Red			0,89	10/10
GBS254STR•		1	Transparent			0,89	10/10

Code	Size (mm)	Length (m)	Color	D1 (Ø mm)	D2 (Ø mm)	S1 (mm)	
GBS380SBI	38	1	 White	38,1	19,1	1,00	10/10
GBS380SBL		1	 Blue			1,00	10/10
GBS380SGV		1	 YellowGreen			1,00	10/10
GBS380SNE		1	 Black			1,00	10/10
GBS380SRO		1	 Red			1,00	10/10
GBS380STR		1	 Transparent			1,00	10/10
GBS510SBI	51	1	 White	50,8	25,4	1,10	5/5
GBS510SBL		1	 Blue			1,10	5/5
GBS510SGV		1	 YellowGreen			1,10	5/5
GBS510SNE		1	 Black			1,10	5/5
GBS510SRO		1	 Red			1,10	5/5
GBS510STR		1	 Transparent			1,10	5/5

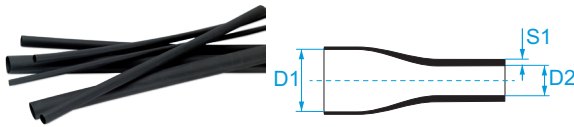
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HALOGEN
FREE

FLAME
RETARDANT

2:1

THERMO SHRINKING CABLE PROTECTION · THIN WALL 3:1 WITH ADHESIVE · BAR



TYPE: double wall with adhesive
SHRINKAGE RATIO: 3:1
MATERIAL: polyethylene
OPERATING TEMPERATURE: from -55°C to +125°C max
SHRINKAGE TEMPERATURE: from +70°C to +125°C
VRMS MAX: 600 V
SHEATH SELF-EXTINGUISHING GRADE: UL 224 VW-1
APPLICATIONS: superior insulation, watertightness and protection of connections and terminals in various industries, including electronics, automotive, railway and marine.

Code	Size (mm)	Length (m)	Color	D1 (Ø mm)	D2 (Ø mm)	S1 (mm)	
GBA030SNE	3	1	 Black	3,0	1,0	1,00	25/25
GBA060SNE	6	1	 Black	6,0	2,0	1,00	10/10
GBA090SNE	9	1	 Black	9,0	3,0	1,35	10/10
GBA120SNE	12	1	 Black	12,0	4,0	1,65	10/10
GBA190SNE	19	1	 Black	19,0	6,4	2,10	10/10
GBA240SNE	24	1	 Black	24,0	8,0	2,35	10/10

 file n° E245489

FLAME
RETARDANT

3:1

HEAT GUN



Heat gun with multiple-stage switch for adjusting airflow and thumbwheel for setting temperature.
Double protection against over-heating: thermostat and thermic stop.

Code	Power (W)	Voltage	Weight (g)	Selector	Temperature (°C)	Air output (l/min)	
1108	1000	220-230 V, 50-60 Hz	800	Pos. I Pos. II Pos. III	50 80-600 80-600	150 150-300 300-500	1/1

REFLECTING NOZZLES

The reflecting nozzles channel the 1108 heat gun's hot air output, speeding up the thermo-shrinking process.



Code	Description	Width (mm)	
11081	narrow nozzle	31	1/1