

**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 +110°C

**VRMS MAX:** 600 V


**SHEATH SELF-EXTINGUISHING GRADE:** flame retardant VW-1 UL1581 (except transparent color)

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

**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.

CABLE PROTECTION

Code	Size (mm)	Length (m)	Color	D1 (Ø mm)	D2 (Ø mm)	S1 (mm)	Ⓜ (m)
GBS012BBI*	1,2	200	White	1,5 ± 0,2	0,65	0,36 ± 0,10	200/200
GBS012BBL*		200	Blue				
GBS012BNE*		200	Black				
GBS012BRO*		200	Red				
GBS012BTR		200	Transparent				
GBS016BBI*	1,6	200	White	2,0 ± 0,3	0,85	0,36 ± 0,10	200/200
GBS016BBL*		200	Blue				
GBS016BNE*		200	Black				
GBS016BRO*		200	Red				
GBS016BTR		200	Transparent				
GBS024BBI*	2,4	200	White	3,0 ± 0,3	1,25	0,40 ± 0,10	200/200
GBS024BBL*		200	Blue				
GBS024BNE*		200	Black				
GBS024BRO*		200	Red				
GBS024BTR		200	Transparent				
GBS032BBI*	3,2	200	White	3,5 ± 0,4	1,5	0,40 ± 0,10	200/200
GBS032BBL*		200	Blue				
GBS032BGV		200	YellowGreen				
GBS032BNE*		200	Black				
GBS032BRO*		200	Red				
GBS032BTR	200	Transparent					
GBS048BBI*	4,8	100	White	5,5 ± 0,4	2,5	0,55 ± 0,10	100/100
GBS048BBL*		100	Blue				
GBS048BGV		100	YellowGreen				
GBS048BNE*		100	Black				
GBS048BRO*		100	Red				
GBS048BTR	100	Transparent					
GBS064BBI*	6,4	100	White	6,5 ± 0,4	3	0,55 ± 0,10	100/100
GBS064BBL*		100	Blue				
GBS064BGV		100	YellowGreen				
GBS064BNE*		100	Black				
GBS064BRO*		100	Red				
GBS064BTR	100	Transparent					
GBS095BBI*	9,5	100	White	9,5 ± 0,5	4,5	0,60 ± 0,10	100/100
GBS095BBL*		100	Blue				
GBS095BGV		100	YellowGreen				
GBS095BNE*		100	Black				
GBS095BRO*		100	Red				
GBS095BTR	100	Transparent					
GBS127BBI*	12,7	100	White	13,7 ± 0,5	6,5	0,65 ± 0,10	100/100
GBS127BBL*		100	Blue				
GBS127BGV		100	YellowGreen				
GBS127BNE*		100	Black				
GBS127BRO*		100	Red				
GBS127BTR	100	Transparent					

Code	Size (mm)	Length (m)	Color	D1 (Ø mm)	D2 (Ø mm)	S1 (mm)	 (m)
GBS1908BI*	19	100	White	21,0 ± 0,5	10	0,75 ± 0,15	100/100
GBS1908BL*		100	Blue				
GBS1908GV		100	YellowGreen				
GBS1908NE*		100	Black				
GBS1908RO*		100	Red				
GBS1908TR		100	Transparent				
GBS2548BI*	25,4	50	White	26,0 ± 0,5	12,5	0,90 ± 0,15	50/50
GBS2548BL*		50	Blue				
GBS2548GV		50	YellowGreen				
GBS2548NE*		50	Black				
GBS2548RO*		50	Red				
GBS2548TR		50	Transparent				
GBS3188BI*	31,8	50	White	31,5 ± 1,0	15	0,95 ± 0,15	50/50
GBS3188BL*		50	Blue				
GBS3188NE		50	Black				
GBS3188RO*		50	Red				
GBS3188TR		50	Transparent				
GBS3808BI*	38	50	White	41,5 ± 1,0	20	1,0 ± 0,15	50/50
GBS3808BL*		50	Blue				
GBS3808GV		50	YellowGreen				
GBS3808NE*		50	Black				
GBS3808RO*		50	Red				
GBS3808TR		50	Transparent				
GBS5108BI	51	25	White	>50	25	1,0 ± 0,15	25/25
GBS5108BL		25	Blue				
GBS5108NE		25	Black				
GBS5108RO		25	Red				
GBS5108TR		25	Transparent				
GBS7608BI	76	25	White	>80	41	1,46 ± 0,20	25/25
GBS7608BL		25	Blue				
GBS7608NE		25	Black				
GBS7608RO		25	Red				
GBS7608TR		25	Transparent				
GBS1028BI	102	25	White	>100	51	1,46 ± 0,20	25/25
GBS1028BL		25	Blue				
GBS1028NE		25	Black				
GBS1028RO		25	Red				
GBS1028TR		25	Transparent				

## 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 +110°C

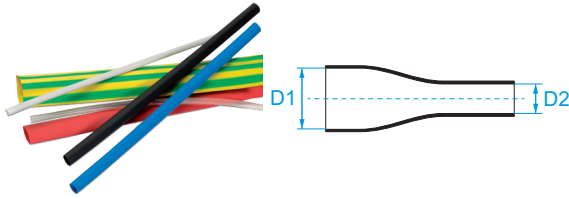
**VRMS MAX:** 600 V

**SHEATH SELF-EXTINGUISHING GRADE:** flame retardant (VW-1 UL1581)

**HALOGEN FREE:** 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	2,0 ± 0,3	0,85	0,36 ± 0,10	1/1
GBS016MNE*		12	Black			0,36 ± 0,10	1/1
GBS016MRO*		12	Red			0,36 ± 0,10	1/1
GBS024MBL*	2,4	11	Blue	3,0 ± 0,3	1,25	0,40 ± 0,10	1/1
GBS024MNE*		11	Black			0,40 ± 0,10	1/1
GBS024MRO*		11	Red			0,40 ± 0,10	1/1
GBS032MBL*	3,2	11	Blue	3,5 ± 0,4	1,5	0,40 ± 0,10	1/1
GBS032MGV		11	YellowGreen			0,40 ± 0,10	1/1
GBS032MNE*		11	Black			0,40 ± 0,10	1/1
GBS032MRO*		11	Red			0,40 ± 0,10	1/1
GBS048MBL*	4,8	10	Blue	5,5 ± 0,4	2,5	0,55 ± 0,10	1/1
GBS048MGV		10	YellowGreen			0,55 ± 0,10	1/1
GBS048MNE*		10	Black			0,55 ± 0,10	1/1
GBS048MRO*		10	Red			0,55 ± 0,10	1/1
GBS064MBL*	6,4	9	Blue	6,5 ± 0,4	3	0,55 ± 0,10	1/1
GBS064MGV		9	YellowGreen			0,55 ± 0,10	1/1
GBS064MNE*		9	Black			0,55 ± 0,10	1/1
GBS064MRO*		9	Red			0,55 ± 0,10	1/1
GBS095MBL*	9,5	7	Blue	9,5 ± 0,5	4,5	0,60 ± 0,10	1/1
GBS095MGV		7	YellowGreen			0,60 ± 0,10	1/1
GBS095MNE*		7	Black			0,60 ± 0,10	1/1
GBS095MRO*		7	Red			0,60 ± 0,10	1/1
GBS127MBL*	12,7	6	Blue	13,7 ± 0,5	6,5	0,65 ± 0,10	1/1
GBS127MGV		6	YellowGreen			0,65 ± 0,10	1/1
GBS127MNE*		6	Black			0,65 ± 0,10	1/1
GBS127MRO*		6	Red			0,65 ± 0,10	1/1
GBS190MBL*	19	5	Blue	21,0 ± 0,5	10	0,75 ± 0,15	1/1
GBS190MGV		5	YellowGreen			0,75 ± 0,15	1/1
GBS190MNE*		5	Black			0,75 ± 0,15	1/1
GBS190MRO*		5	Red			0,75 ± 0,15	1/1
GBS254MBL*	25,4	3,5	Blue	26,0 ± 0,5	12,5	0,90 ± 0,15	1/1
GBS254MGV		3,5	YellowGreen			0,90 ± 0,15	1/1
GBS254MNE*		3,5	Black			0,90 ± 0,15	1/1
GBS254MRO*		3,5	Red			0,90 ± 0,15	1/1

**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 +110°C

**VRMS MAX:** 600 V

**SHEATH SELF-EXTINGUISHING GRADE:** flame retardant VW-1 UL1581 (except transparent color)

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

**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	<input type="checkbox"/> White	3,0 ± 0,3	1,25	0,40 ± 0,10	25/25
GBS024SBL*		1	<input checked="" type="checkbox"/> Blue			0,40 ± 0,10	25/25
GBS024SNE*		1	<input checked="" type="checkbox"/> Black			0,40 ± 0,10	25/25
GBS024SRO*		1	<input checked="" type="checkbox"/> Red			0,40 ± 0,10	25/25
GBS024STR		1	<input checked="" type="checkbox"/> Transparent			0,40 ± 0,10	25/25
GBS032SBI*	3,2	1	<input type="checkbox"/> White	3,5 ± 0,4	1,5	0,40 ± 0,10	25/25
GBS032SBL*		1	<input checked="" type="checkbox"/> Blue			0,40 ± 0,10	25/25
GBS032SGV		1	<input checked="" type="checkbox"/> YellowGreen			0,40 ± 0,10	25/25
GBS032SNE*		1	<input checked="" type="checkbox"/> Black			0,40 ± 0,10	25/25
GBS032SRO*		1	<input checked="" type="checkbox"/> Red			0,40 ± 0,10	25/25
GBS032STR	1	<input checked="" type="checkbox"/> Transparent	0,40 ± 0,10	25/25			
GBS048SBI*	4,8	1	<input type="checkbox"/> White	5,5 ± 0,4	2,5	0,55 ± 0,10	10/10
GBS048SBL*		1	<input checked="" type="checkbox"/> Blue			0,55 ± 0,10	10/10
GBS048SGV		1	<input checked="" type="checkbox"/> YellowGreen			0,55 ± 0,10	10/10
GBS048SNE*		1	<input checked="" type="checkbox"/> Black			0,55 ± 0,10	10/10
GBS048SRO*		1	<input checked="" type="checkbox"/> Red			0,55 ± 0,10	10/10
GBS048STR	1	<input checked="" type="checkbox"/> Transparent	0,55 ± 0,10	10/10			
GBS064SBI*	6,4	1	<input type="checkbox"/> White	6,5 ± 0,4	3	0,55 ± 0,10	10/10
GBS064SBL*		1	<input checked="" type="checkbox"/> Blue			0,55 ± 0,10	10/10
GBS064SGV		1	<input checked="" type="checkbox"/> YellowGreen			0,55 ± 0,10	10/10
GBS064SNE*		1	<input checked="" type="checkbox"/> Black			0,55 ± 0,10	10/10
GBS064SRO*		1	<input checked="" type="checkbox"/> Red			0,55 ± 0,10	10/10
GBS064STR	1	<input checked="" type="checkbox"/> Transparent	0,55 ± 0,10	10/10			
GBS095SBI*	9,5	1	<input type="checkbox"/> White	9,5 ± 0,5	4,5	0,60 ± 0,10	10/10
GBS095SBL*		1	<input checked="" type="checkbox"/> Blue			0,60 ± 0,10	10/10
GBS095SGV		1	<input checked="" type="checkbox"/> YellowGreen			0,60 ± 0,10	10/10
GBS095SNE*		1	<input checked="" type="checkbox"/> Black			0,60 ± 0,10	10/10
GBS095SRO*		1	<input checked="" type="checkbox"/> Red			0,60 ± 0,10	10/10
GBS095STR	1	<input checked="" type="checkbox"/> Transparent	0,60 ± 0,10	10/10			
GBS127SBI*	12,7	1	<input type="checkbox"/> White	13,7 ± 0,5	6,5	0,65 ± 0,10	10/10
GBS127SBL*		1	<input checked="" type="checkbox"/> Blue			0,65 ± 0,10	10/10
GBS127SGV		1	<input checked="" type="checkbox"/> YellowGreen			0,65 ± 0,10	10/10
GBS127SNE*		1	<input checked="" type="checkbox"/> Black			0,65 ± 0,10	10/10
GBS127SRO*		1	<input checked="" type="checkbox"/> Red			0,65 ± 0,10	10/10
GBS127STR	1	<input checked="" type="checkbox"/> Transparent	0,65 ± 0,10	10/10			
GBS190SBI*	19	1	<input type="checkbox"/> White	21,0 ± 0,5	10	0,75 ± 0,15	10/10
GBS190SBL*		1	<input checked="" type="checkbox"/> Blue			0,75 ± 0,15	10/10
GBS190SGV		1	<input checked="" type="checkbox"/> YellowGreen			0,75 ± 0,15	10/10
GBS190SNE*		1	<input checked="" type="checkbox"/> Black			0,75 ± 0,15	10/10
GBS190SRO*		1	<input checked="" type="checkbox"/> Red			0,75 ± 0,15	10/10
GBS190STR	1	<input checked="" type="checkbox"/> Transparent	0,75 ± 0,15	10/10			
GBS254SBI*	25,4	1	<input type="checkbox"/> White	26,0 ± 0,5	12,5	0,90 ± 0,15	10/10
GBS254SBL*		1	<input checked="" type="checkbox"/> Blue			0,90 ± 0,15	10/10
GBS254SGV		1	<input checked="" type="checkbox"/> YellowGreen			0,90 ± 0,15	10/10
GBS254SNE*		1	<input checked="" type="checkbox"/> Black			0,90 ± 0,15	10/10
GBS254SRO*		1	<input checked="" type="checkbox"/> Red			0,90 ± 0,15	10/10
GBS254STR	1	<input checked="" type="checkbox"/> Transparent	0,90 ± 0,15	10/10			

Code	Size (mm)	Length (m)	Color	D1 (Ø mm)	D2 (Ø mm)	S1 (mm)	
GBS380SBI*	38	1	<input type="checkbox"/> White	41,5 ± 1,0	20	1,0 ± 0,15	10/10
GBS380SBL*		1	<input checked="" type="checkbox"/> Blue			1,0 ± 0,15	
GBS380SGV		1	<input checked="" type="checkbox"/> YellowGreen			1,0 ± 0,15	
GBS380SNE*		1	<input checked="" type="checkbox"/> Black			1,0 ± 0,15	
GBS380SRO*		1	<input checked="" type="checkbox"/> Red			1,0 ± 0,15	
GBS380STR		1	<input checked="" type="checkbox"/> Transparent			1,0 ± 0,15	
GBS510SBI	51	1	<input type="checkbox"/> White	>50	25	1,0 ± 0,15	5/5
GBS510SBL		1	<input checked="" type="checkbox"/> Blue			1,0 ± 0,15	
GBS510SGV		1	<input checked="" type="checkbox"/> YellowGreen			1,0 ± 0,15	
GBS510SNE		1	<input checked="" type="checkbox"/> Black			1,0 ± 0,15	
GBS510SRO		1	<input checked="" type="checkbox"/> Red			1,0 ± 0,15	
GBS510STR		1	<input checked="" type="checkbox"/> Transparent			1,0 ± 0,15	

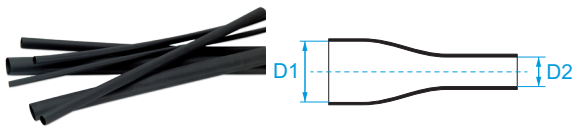


HALOGEN FREE

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 -45°C to +125°C max

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

**VRMS MAX:** 600 V

**SHEATH SELF-EXTINGUISHING GRADE:** flame retardant (VW-1 UL1581)

**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	<input checked="" type="checkbox"/> Black	3,2	1	1,0	25/25
GBA060SNE	6	1	<input checked="" type="checkbox"/> Black	6,4	2	1,2	10/10
GBA090SNE	9	1	<input checked="" type="checkbox"/> Black	9,5	3,2	1,4	10/10
GBA120SNE	12	1	<input checked="" type="checkbox"/> Black	12,7	4,2	1,7	10/10
GBA190SNE	19	1	<input checked="" type="checkbox"/> Black	19,1	6,3	1,8	10/10
GBA240SNE	24	1	<input checked="" type="checkbox"/> Black	25,4	8,5	2,0	10/10



FLAME RETARDANT

3:1

## HEAT GUN



Heat gun with three-position supply selector and electronic continuous temperature control from 50 °C to 600 °C.  
Double protection against over-heating: thermostat and thermic stop.

Code	Power (W)	Voltage	Weight (g)	Selector	Temperature (°C)	Air output (l/min)	
1108	2000	220-240 V, 50 Hz	650	Pos. I Pos. II Pos. III	50 50-600 50-600	150 300 500	1/1

## REFLECTING NOZZLES



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

Code	Fig.	Description	Width (mm)	
11081	1	narrow nozzle	31	1/1
11082	2	wide nozzle	80	1/1