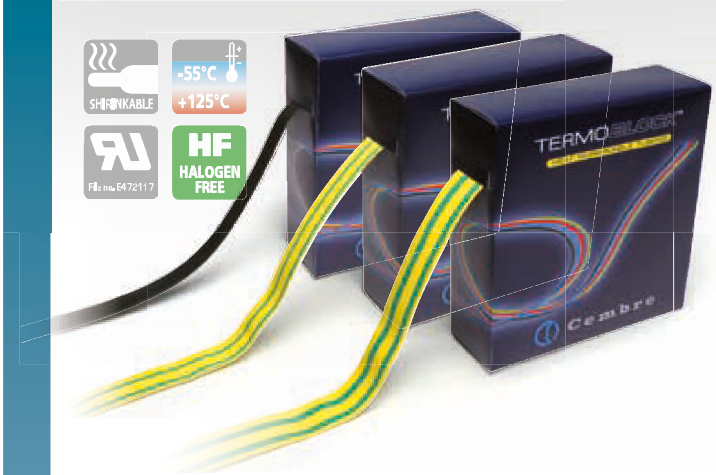
TBS

TERMOBLOCK HEAT-SHRINKABLE TUBING

flame-retardant Polyolefin - shrinkage ratio 2÷1



Heat-shrinkable Polyolefin tubing for general use; is environmentally neutral, flexible, not inflammable and offers fast heat shrinkage and stable performance.

Main uses include insulation and protection of electrical conductors, connectors and terminations; protection of metal tubes from corrosion; protection of antennae and various identification applications.

General characteristics:

- Operating temperature: -55°C + 125°C
- Minimum shrinkage temperature: 70°C
- Temperature for complete shrinkage: 110°C
- RoHS compliant
- Colours: Black, Red, White, Blue, Grey, Brown, Yellow/Green.
- Packaging: Roll in Dispenser Box

Technical Specifications:

Property	Test Method	Performance
Traction resistance (MPa):	ASRM D2671	≥10.4
Elongation at failure (%):	ASRM D2671	≥200
Traction resistance after heat aging (MPa):	UL 224 158°Cx168hr	≥7.3
Elongation at failure after heat aging (%):	UL 224 158°Cx168hr	≥100
Heat resistance:	UL 224 250°Cx4hr	No failure
Low temperature flexibility:	UL 224 -30°Cx4hr	No failure
Dielectric strength (kv/mm):	IEC 243	≥15
Insulation resistance:	600V UL 224	No perforation at 2500V
Volume resistance (V.cm):	IEC 93	$\geq 1x10^{14}$
Corrosive action:	UL 224 158°Cx168hr	Not corrosive
Copper compatibility:	UL 224 158°Cx168hr	Not corrosive
Flammability:	UL 224	VW-1

		before shrinking	after shrinking		
Type	Reel Length	Internal Ø mm	Internal Ø mm	Thickness mm	Colour
TBS16X20BK	20 m	Ø 1,5 mm	Ø 0,85 mm	0,32 mm	BLACK
TBS24X20BK	20 m	Ø 2,5 mm	Ø 1,00 mm	0,35 mm	BLACK
TBS32X10BK	10 m	Ø 3,0 mm	Ø 1,30 mm	0,38 mm	BLACK
TBS48X10BK	10 m	Ø 4,5 mm	Ø 2,00 mm	0,45 mm	BLACK
TBS64X10BK	10 m	Ø 6,5 mm	Ø 3,00 mm	0,55 mm	BLACK
TBS95X10BK	10 m	Ø 9,5 mm	Ø 4,50 mm	0,60 mm	BLACK
TBS127X10BK	10 m	Ø 12,5 mm	Ø 6,00 mm	0,60 mm	BLACK
TBS190X5BK	5 m	Ø 19,0 mm	Ø 9,00 mm	0,80 mm	BLACK
TBS254X5BK	5 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	BLACK
TBS16X200RE	20 m	Ø 1,5 mm	Ø 0,85 mm	0,32 mm	RED
TBS24X200RE	20 m	Ø 2,5 mm	Ø 1,00 mm	0,35 mm	RED
TBS32X100RE	10 m	Ø 3,0 mm	Ø 1,30 mm	0,38 mm	RED
TBS48X100RE	10 m	Ø 4,5 mm	Ø 2,00 mm	0,45 mm	RED
TBS64X100RE	10 m	Ø 6,5 mm	Ø 3,00 mm	0,55 mm	RED
TBS95X100RE	10 m	Ø 9,5 mm	Ø 4,50 mm	0,60 mm	RED
TBS127X100RE	10 m	Ø 12,5 mm	Ø 6,00 mm	0,60 mm	RED
TBS190X100RE	5 m	Ø 19,0 mm	Ø 9,00 mm	0,80 mm	RED
TBS254X50RE	5 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	RED
TBS16X200WH	20 m	Ø 1,5 mm	Ø 0,85 mm	0,32 mm	WHITE
TBS24X200WH	20 m	Ø 2,5 mm	Ø 1,00 mm	0,35 mm	WHITE
TBS32X200WH	10 m	Ø 3,0 mm	Ø 1,30 mm	0,38 mm	WHITE
TBS48X100WH	10 m	Ø 4,5 mm	Ø 2,00 mm	0,45 mm	WHITE
TBS64X100WH	10 m	Ø 6,5 mm	Ø 3,00 mm	0,55 mm	WHITE
TBS95X100WH	10 m	Ø 9,5 mm	Ø 4,50 mm	0,60 mm	WHITE
TBS127X100WH	10 m	Ø 12,5 mm	Ø 6,00 mm	0,60 mm	WHITE
TBS190X100WH	5 m	Ø 19,0 mm	Ø 9,00 mm	0,80 mm	WHITE
TBS254X50WH	5 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	WHITE
TBS16X20BU	20 m	Ø 1,5 mm	Ø 0,85 mm	0,32 mm	BLUE
TBS24X20BU	20 m	Ø 2,5 mm	Ø 1,00 mm	0,35 mm	BLUE
TBS32X10BU	10 m	Ø 3,0 mm	Ø 1,30 mm	0,38 mm	BLUE
TBS48X10BU	10 m	Ø 4,5 mm	Ø 2,00 mm	0,45 mm	BLUE
TBS64X10BU	10 m	Ø 6,5 mm	Ø 3,00 mm	0,55 mm	BLUE
TBS95X10BU	10 m	Ø 9,5 mm	Ø 4,50 mm	0,60 mm	BLUE
TBS127X10BU	10 m	Ø 12,5 mm	Ø 6,00 mm	0,60 mm	BLUE
TBS190X5BU	5 m	Ø 19,0 mm	Ø 9,00 mm	0,80 mm	BLUE
TBS254X5BU	5 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	BLUE

		before shrinking	after shrinking		
Type	Reel Length	Internal Ø mm	Internal Ø mm	Thickness mm	Colour
TBS16X20GY	20 m	Ø 1,5 mm	Ø 0,85 mm	0,32 mm	GREY
TBS24X20GY	20 m	Ø 2,5 mm	Ø 1,00 mm	0,35 mm	GREY
TBS32X10GY	10 m	Ø 3,0 mm	Ø 1,30 mm	0,38 mm	GREY
TBS48X10GY	10 m	Ø 4,5 mm	Ø 2,00 mm	0,45 mm	GREY
TBS64X10GY	10 m	Ø 6,5 mm	Ø 3,00 mm	0,55 mm	GREY
TBS95X10GY	10 m	Ø 9,5 mm	Ø 4,50 mm	0,60 mm	GREY
TBS127X10GY	10 m	Ø 12,5 mm	Ø 6,00 mm	0,60 mm	GREY
TBS190X5GY	5 m	Ø 19,0 mm	Ø 9,00 mm	0,80 mm	GREY
TBS254X5GY	5 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	GREY
TBS16X20BR	20 m	Ø 1,5 mm	Ø 0,85 mm	0,32 mm	BROWN
TBS24X20BR	20 m	Ø 2,5 mm	Ø 1,00 mm	0,35 mm	BROWN
TBS32X10BR	10 m	Ø 3,0 mm	Ø 1,30 mm	0,38 mm	BROWN
TBS48X10BR	10 m	Ø 4,5 mm	Ø 2,00 mm	0,45 mm	BROWN
TBS64X10BR	10 m	Ø 6,5 mm	Ø 3,00 mm	0,55 mm	BROWN
TBS95X10BR	10 m	Ø 9,5 mm	Ø 4,50 mm	0,60 mm	BROWN
TBS127X10BR	10 m	Ø 12,5 mm	Ø 6,00 mm	0,60 mm	BROWN
TBS190X5BR	5 m	Ø 19,0 mm	Ø 9,00 mm	0,80 mm	BROWN
TBS254X5BR	5 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	BROWN
TBS16X20Y/G	20 m	Ø 3,0 mm	Ø 1,30 mm	0,32 mm	YELLOW/GREEN
TBS24X10Y/G	20 m	Ø 4,5 mm	Ø 2,00 mm	0,35 mm	YELLOW/GREEN
TBS32X20Y/G	10 m	Ø 3,0 mm	Ø 1,30 mm	0,38 mm	YELLOW/GREEN
TBS48X10Y/G	10 m	Ø 4,5 mm	Ø 2,00 mm	0,45 mm	YELLOW/GREEN
TBS64X10Y/G	10 m	Ø 6,5 mm	Ø 3,00 mm	0,55 mm	YELLOW/GREEN
TBS95X10Y/G	10 m	Ø 9,5 mm	Ø 4,50 mm	0,60 mm	YELLOW/GREEN
TBS127X10Y/G	10 m	Ø 12,5 mm	Ø 6,00 mm	0,60 mm	YELLOW/GREEN
TBS190X10Y/G	5 m	Ø 19,0 mm	Ø 9,00 mm	0,80 mm	YELLOW/GREEN
TBS254X50Y/G	5 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	YELLOW/GREEN