

**TERMOCOIL HEAT-SHRINKABLE TUBING**  
**FLAME-RETARDANT POLYOLEFIN SHRINKAGE RATIO 2÷1**


**Description:**

Heat-shrinkable Polyolefin tubing coil 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, Yellow, Green, Yellow/Green
- **Packaging:** Coil on Reel

**Technical details:**

Property	Test Method	Performance
<b>Traction resistance (MPa):</b>	ASRM D2671	≥10.4
<b>Elongation at failure (%):</b>	ASRM D2671	≥200
<b>Traction resistance after heat aging (MPa):</b>	UL 224 158°C×168hr	≥7.3
<b>Elongation at failure after heat aging (%):</b>	UL 224 158°C×168hr	≥100
<b>Heat resistance:</b>	UL 224 250°C×4hr	No failure
<b>Low temperature flexibility:</b>	UL 224 -30°C×4hr	No failure
<b>Dielectric strength (kv/mm):</b>	IEC 243	≥15
<b>Insulation resistance:</b>	600V UL 224	No perforation at 2500V
<b>Volume resistance (Ω.cm):</b>	IEC 93	≥1x10 <sup>14</sup>
<b>Corrosive action:</b>	UL 224 158°C×168hr	Not corrosive
<b>Copper compatibility:</b>	UL 224 158°C×168hr	Not corrosive
<b>Flammability:</b>	UL 224	VW-1

**Cembre SpA**

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**Models:**

Ref.	Colour	Internal Ø before shrinking	Internal Ø after shrinking	Coil Length
TCS12X200BK	BLACK ●	1,2 mm	0,6 mm	200 m
TCS16X200BK	BLACK ●	1,6 mm	0,8 mm	200 m
TCS24X200BK	BLACK ●	2,4 mm	1,2 mm	200 m
TCS32X200BK	BLACK ●	3,2 mm	1,6 mm	200 m
TCS48X100BK	BLACK ●	4,8 mm	2,4 mm	100 m
TCS64X100BK	BLACK ●	6,4 mm	3,2 mm	100 m
TCS95X100BK	BLACK ●	9,5 mm	4,8 mm	100 m
TCS127X100BK	BLACK ●	12,7 mm	6,4 mm	100 m
TCS160X100BK	BLACK ●	16 mm	8,0 mm	100 m
TCS190X100BK	BLACK ●	19 mm	9,5 mm	100 m
TCS254X50BK	BLACK ●	25,4 mm	12,7 mm	50 m
TCS320X50BK	BLACK ●	32 mm	16,0 mm	50 m
TCS381X50BK	BLACK ●	38,1 mm	19,0 mm	50 m
TCS508X25BK	BLACK ●	50,8 mm	25,4 mm	25 m
TCS762X25BK	BLACK ●	76,2 mm	38,1 mm	25 m
TCS1016X25BK	BLACK ●	101,6 mm	50,8 mm	25 m
TCS1260X25BK	BLACK ●	126 mm	63,0 mm	25 m
TCS1500X25BK	BLACK ●	150 mm	75,0 mm	25 m
TCS16X200RE	RED ●	1,6 mm	0,8 mm	200 m
TCS24X200RE	RED ●	2,4 mm	1,2 mm	200 m
TCS32X200RE	RED ●	3,2 mm	1,6 mm	200 m
TCS48X100RE	RED ●	4,8 mm	2,4 mm	100 m
TCS64X100RE	RED ●	6,4 mm	3,2 mm	100 m
TCS95X100RE	RED ●	9,5 mm	4,8 mm	100 m
TCS127X100RE	RED ●	12,7 mm	6,4 mm	100 m
TCS190X100RE	RED ●	19 mm	9,5 mm	100 m
TCS254X50RE	RED ●	25,4 mm	12,7 mm	50 m
TCS16X200WH	WHITE ○	1,6 mm	0,8 mm	200 m
TCS24X200WH	WHITE ○	2,4 mm	1,2 mm	200 m
TCS32X200WH	WHITE ○	3,2 mm	1,6 mm	200 m
TCS48X100WH	WHITE ○	4,8 mm	2,4 mm	100 m
TCS64X100WH	WHITE ○	6,4 mm	3,2 mm	100 m
TCS95X100WH	WHITE ○	9,5 mm	4,8 mm	100 m
TCS127X100WH	WHITE ○	12,7 mm	6,4 mm	100 m
TCS190X100WH	WHITE ○	19 mm	9,5 mm	100 m
TCS254X50WH	WHITE ○	25,4 mm	12,7 mm	50 m
TCS16X200BU	BLUE ●	1,6 mm	0,8 mm	200 m
TCS24X200BU	BLUE ●	2,4 mm	1,2 mm	200 m
TCS32X200BU	BLUE ●	3,2 mm	1,6 mm	200 m
TCS48X100BU	BLUE ●	4,8 mm	2,4 mm	100 m
TCS64X100BU	BLUE ●	6,4 mm	3,2 mm	100 m
TCS95X100BU	BLUE ●	9,5 mm	4,8 mm	100 m
TCS127X100BU	BLUE ●	12,7 mm	6,4 mm	100 m
TCS190X100BU	BLUE ●	19 mm	9,5 mm	100 m
TCS254X50BU	BLUE ●	25,4 mm	12,7 mm	50 m

Ref.	Colour	Internal Ø before shrinking	Internal Ø after shrinking	Coil Length
TCS16X200YE	YELLOW ●	1,6 mm	0,8 mm	200 m
TCS24X200YE	YELLOW ●	2,4 mm	1,2 mm	200 m
TCS32X200YE	YELLOW ●	3,2 mm	1,6 mm	200 m
TCS48X100YE	YELLOW ●	4,8 mm	2,4 mm	100 m
TCS64X100YE	YELLOW ●	6,4 mm	3,2 mm	100 m
TCS95X100YE	YELLOW ●	9,5 mm	4,8 mm	100 m
TCS127X100YE	YELLOW ●	12,7 mm	6,4 mm	100 m
TCS190X100YE	YELLOW ●	19 mm	9,5 mm	100 m
TCS254X50YE	YELLOW ●	25,4 mm	12,7 mm	50 m
TCS16X200GN	GREEN ●	1,6 mm	0,8 mm	200 m
TCS24X200GN	GREEN ●	2,4 mm	1,2 mm	200 m
TCS32X200GN	GREEN ●	3,2 mm	1,6 mm	200 m
TCS48X100GN	GREEN ●	4,8 mm	2,4 mm	100 m
TCS64X100GN	GREEN ●	6,4 mm	3,2 mm	100 m
TCS95X100GN	GREEN ●	9,5 mm	4,8 mm	100 m
TCS127X100GN	GREEN ●	12,7 mm	6,4 mm	100 m
TCS190X100GN	GREEN ●	19 mm	9,5 mm	100 m
TCS254X50GN	GREEN ●	25,4 mm	12,7 mm	50 m
TCS16X200GY	GREY ●	1,6 mm	0,8 mm	200 m
TCS24X200GY	GREY ●	2,4 mm	1,2 mm	200 m
TCS32X200GY	GREY ●	3,2 mm	1,6 mm	200 m
TCS48X100GY	GREY ●	4,8 mm	2,4 mm	100 m
TCS64X100GY	GREY ●	6,4 mm	3,2 mm	100 m
TCS95X100GY	GREY ●	9,5 mm	4,8 mm	100 m
TCS127X100GY	GREY ●	12,7 mm	6,4 mm	100 m
TCS190X100GY	GREY ●	19,0 mm	9,5 mm	100 m
TCS254X50GY	GREY ●	25,4 mm	12,7 mm	50 m
TCS381X50GY	GREY ●	38,1 mm	19,0 mm	50 m
TCS16X200BR	BROWN ●	1,6 mm	0,8 mm	200 m
TCS24X200BR	BROWN ●	2,4 mm	1,2 mm	200 m
TCS32X200BR	BROWN ●	3,2 mm	1,6 mm	200 m
TCS48X100BR	BROWN ●	4,8 mm	2,4 mm	100 m
TCS64X100BR	BROWN ●	6,4 mm	3,2 mm	100 m
TCS95X100BR	BROWN ●	9,5 mm	4,8 mm	100 m
TCS127X100BR	BROWN ●	12,7 mm	6,4 mm	100 m
TCS190X100BR	BROWN ●	19,0 mm	9,5 mm	100 m
TCS254X50BR	BROWN ●	25,4 mm	12,7 mm	50 m
TCS381X50BR	BROWN ●	38,1 mm	19,0 mm	50 m
TCS32X200Y/G	YELLOW / GREEN ●	3,2 mm	1,6 mm	200 m
TCS48X100Y/G	YELLOW / GREEN ●	4,8 mm	2,4 mm	100 m
TCS64X100Y/G	YELLOW / GREEN ●	6,4 mm	3,2 mm	100 m
TCS95X100Y/G	YELLOW / GREEN ●	9,5 mm	4,8 mm	100 m
TCS127X100Y/G	YELLOW / GREEN ●	12,7 mm	6,4 mm	100 m
TCS190X100Y/G	YELLOW / GREEN ●	19 mm	9,5 mm	100 m
TCS254X50Y/G	YELLOW / GREEN ●	25,4 mm	12,7 mm	50 m
TCS381X50Y/G	YELLOW / GREEN ●	38,1 mm	19,0 mm	50 m
TCS508X25Y/G	YELLOW / GREEN ●	50,8 mm	25,4 mm	25 m

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