

# TERMOCOIL HEAT-SHRINKABLE TUBING TCS

*flame-retardant Polyolefin shrinkage ratio 2÷1*

Heat-shrinkable Polyolefin tubing coil for general use is environmentally neutral, flexible, 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.



Technical specifications:	Test Method	Performance
Traction resistance (MPa):	ASRM D2671	≥10.4
Elongation at failure (%):	ASRM D2671	≥200
Traction resistance after heat aging (MPa):	U L 2 2 4 158°C×168hr	≥7.3
Elongation at failure after heat aging (%):	U L 2 2 4 158°C×168hr	≥100
Heat resistance:	U L 2 2 4 250°C×4hr	No failure
Low temperature flexibility	U L 2 2 4 -30°C×4hr	No failure
Dielectric strength (kv/mm):	IEC 243	≥15
Insulation resistance:	600V UL 224	No perforation at 2500V
Volume resistance (Ω.cm)	IEC 93	≥1x10 <sup>14</sup>
Corrosive action:	U L 2 2 4 158°C×168hr	Not corrosive
Copper compatibility:	U L 2 2 4 158°C×168hr	Not corrosive
Flammability:	UL 224	VW-1

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CERTIFICATES 



2011/65/EU



E472117

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## *Technical characteristics*

Material (Body)	Cross-linked polyolefin
Halogen Free	yes
Min operating temperature range	-55 °C
Max operating temperature range	125 °C
Min shrinkage ratio temperature	70 °C



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## List of products

<b>TCS</b>					
Type	Length	Diameter pre-shrinkage	Diameter post-shrinkage	Thickness post-shrinkage	Colour
TCS24X200GY	200 m	2.5 mm	1 mm	0.35 mm	Grey
TCS32X200GY	200 m	3 mm	1.3 mm	0.38 mm	Grey
TCS48X100GY	100 m	4.5 mm	2 mm	0.45 mm	Grey
TCS64X100GY	100 m	6.5 mm	3 mm	0.55 mm	Grey
TCS95X100GY	100 m	9.5 mm	4.5 mm	0.6 mm	Grey
TCS190X100GY	100 m	19 mm	9 mm	0.8 mm	Grey
TCS254X50GY	50 m	26 mm	12.5 mm	0.9 mm	Grey
TCS381X50GY	50 m	36.5 mm	17.5 mm	1 mm	Grey
TCS127X100GY	100 m	12.5 mm	6 mm	0.6 mm	Grey
TCS16X200BR	200 m	1.5 mm	0.85 mm	0.32 mm	Brown
TCS24X200BR	200 m	2.5 mm	1 mm	0.35 mm	Brown
TCS32X200BR	200 m	3 mm	1.3 mm	0.38 mm	Brown
TCS48X100BR	100 m	4.5 mm	2 mm	0.45 mm	Brown
TCS64X100BR	100 m	6.5 mm	3 mm	0.55 mm	Brown
TCS95X100BR	100 m	9.5 mm	4.5 mm	0.6 mm	Brown
TCS127X100BR	100 m	12.5 mm	6 mm	0.6 mm	Brown
TCS190X100BR	100 m	19 mm	9 mm	0.8 mm	Brown
TCS254X50BR	50 m	26 mm	12.5 mm	0.9 mm	Brown
TCS381X50BR	50 m	36.5 mm	17.5 mm	1 mm	Brown
TCS12X200BK	200 m	1.1 mm	0.5 mm	0.22 mm	Black
TCS16X200BK	200 m	1.5 mm	0.85 mm	0.32 mm	Black
TCS24X200BK	200 m	2.5 mm	1 mm	0.35 mm	Black
TCS32X200BK	200 m	3 mm	1.3 mm	0.38 mm	Black
TCS48X100BK	100 m	4.5 mm	2 mm	0.45 mm	Black
TCS64X100BK	100 m	6.5 mm	3 mm	0.55 mm	Black
TCS95X100BK	100 m	9.5 mm	4.5 mm	0.6 mm	Black
TCS127X100BK	100 m	12.5 mm	6 mm	0.6 mm	Black
TCS160X100BK	100 m	16.5 mm	8 mm	0.7 mm	Black
TCS190X100BK	100 m	19 mm	9 mm	0.8 mm	Black

TCS254X50BK	50 m	26 mm	12.5 mm	0.9 mm	Black
TCS320X50BK	50 m	31.5 mm	15 mm	0.95 mm	Black
TCS381X50BK	50 m	36.5 mm	17.5 mm	1 mm	Black
TCS508X25BK	25 m	50 mm	25 mm	1 mm	Black
TCS762X25BK	25 m	70 mm	36 mm	1.3 mm	Black
TCS1016X25BK	25 m	100 mm	51 mm	1.46 mm	Black
TCS1260X25BK	25 m	120 mm	61 mm	1.56 mm	Black
TCS1500X25BK	25 m	150 mm	76 mm	1.56 mm	Black
TCS16X200RE	200 m	1.5 mm	0.85 mm	0.32 mm	Red
TCS24X200RE	200 m	2.5 mm	1 mm	0.35 mm	Red
TCS32X200RE	200 m	3 mm	1.3 mm	0.38 mm	Red
TCS48X100RE	100 m	4.5 mm	2 mm	0.45 mm	Red
TCS64X100RE	100 m	6.5 mm	3 mm	0.55 mm	Red
TCS95X100RE	100 m	9.5 mm	4.5 mm	0.6 mm	Red
TCS127X100RE	100 m	12.5 mm	6 mm	0.6 mm	Red
TCS190X100RE	100 m	19 mm	9 mm	0.8 mm	Red
TCS254X50RE	50 m	26 mm	12.5 mm	0.9 mm	Red
TCS16X200WH	200 m	1.5 mm	0.85 mm	0.32 mm	White
TCS24X200WH	200 m	2.5 mm	1 mm	0.35 mm	White
TCS32X200WH	200 m	3 mm	1.3 mm	0.38 mm	White
TCS48X100WH	100 m	4.5 mm	2 mm	0.45 mm	White
TCS64X100WH	100 m	6.5 mm	3 mm	0.55 mm	White
TCS95X100WH	100 m	9.5 mm	4.5 mm	0.6 mm	White
TCS127X100WH	100 m	12.5 mm	6 mm	0.6 mm	White
TCS190X100WH	100 m	19 mm	9 mm	0.8 mm	White
TCS254X50WH	50 m	26 mm	12.5 mm	0.9 mm	White
TCS16X200BU	200 m	1.5 mm	0.85 mm	0.32 mm	Blue
TCS24X200BU	200 m	2.5 mm	1 mm	0.35 mm	Blue
TCS32X200BU	200 m	3 mm	1.3 mm	0.38 mm	Blue
TCS48X100BU	100 m	4.5 mm	2 mm	0.45 mm	Blue
TCS64X100BU	100 m	6.5 mm	3 mm	0.55 mm	Blue
TCS95X100BU	100 m	9.5 mm	4.5 mm	0.6 mm	Blue
TCS127X100BU	100 m	12.5 mm	6 mm	0.6 mm	Blue
TCS190X100BU	100 m	19 mm	9 mm	0.8 mm	Blue
TCS254X50BU	50 m	26 mm	12.5 mm	0.9 mm	Blue

TCS16X200YE	200 m	1.5 mm	0.85 mm	0.32 mm	Yellow
TCS24X200YE	200 m	2.5 mm	1 mm	0.35 mm	Yellow
TCS32X200YE	200 m	3 mm	1.3 mm	0.38 mm	Yellow
TCS48X100YE	100 m	4.8 mm	2.4 mm	0.45 mm	Yellow
TCS64X100YE	100 m	6.5 mm	3 mm	0.55 mm	Yellow
TCS95X100YE	100 m	9.5 mm	4.5 mm	0.6 mm	Yellow
TCS127X100YE	100 m	12.5 mm	6 mm	0.6 mm	Yellow
TCS190X100YE	100 m	19 mm	9 mm	0.8 mm	Yellow
TCS254X50YE	50 m	26 mm	12.5 mm	0.9 mm	Yellow
TCS16X200GN	200 m	1.5 mm	0.85 mm	0.32 mm	Green
TCS24X200GN	200 m	2.5 mm	1 mm	0.35 mm	Green
TCS32X200GN	200 m	3 mm	1.3 mm	0.38 mm	Green
TCS48X100GN	100 m	4.5 mm	2 mm	0.45 mm	Green
TCS64X100GN	100 m	6.5 mm	3 mm	0.55 mm	Green
TCS95X100GN	100 m	9.5 mm	4.5 mm	0.6 mm	Green
TCS127X100GN	100 m	12.5 mm	6 mm	0.6 mm	Green
TCS190X100GN	100 m	19 mm	9 mm	0.8 mm	Green
TCS254X50GN	50 m	26 mm	12.5 mm	0.9 mm	Green
TCS32X200Y/G	200 m	3 mm	1.3 mm	0.38 mm	Yellow-Green
TCS48X100Y/G	100 m	4.5 mm	2 mm	0.45 mm	Yellow-Green
TCS64X100Y/G	100 m	6.5 mm	3 mm	0.55 mm	Yellow-Green
TCS95X100Y/G	100 m	9.5 mm	4.5 mm	0.6 mm	Yellow-Green
TCS127X100Y/G	100 m	12.5 mm	6 mm	0.6 mm	Yellow-Green
TCS190X100Y/G	100 m	19 mm	9 mm	0.8 mm	Yellow-Green
TCS254X50Y/G	50 m	26 mm	12.5 mm	0.9 mm	Yellow-Green
TCS381X50Y/G	50 m	36.5 mm	17.5 mm	1 mm	Yellow-Green
TCS508X25Y/G	25 m	50 mm	25 mm	1 mm	Yellow-Green