

Part Number TSGEC

Header TSGEC Heat Shrink End Caps

Description Thermosleeve-USA TSGEC Heat Shrink End Caps come with spiral adhesive coating that effectively protects cable endings against oxidation, ozone, and UV-radiation. Our TSGEC easily fits into the cable ending.

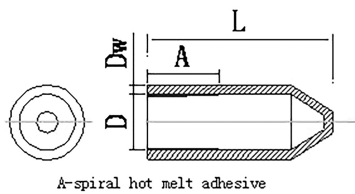
Agency Approval & Compliance ROHS, and REACH compliant

Application TSGEC GEC is recommended for applications both in open air and underground power distribution cables with PVC, lead or XLPE sheaths.

Shrink Ratio and Operating Temperature TSGEC is available as a 2:1 material, shrinking to one half (50%) of its supplied size and ≤10% along the axis. The tubing's wall thickness also changes proportionally to the degree of recovery.

Thermosleeve-USA TSGEC Heat Shrink End Caps have a minimum shrink temperature of 120°C (248°F)

Standard Sizes and Dimensions



Part Number	As supplied (mm)		After recovered (mm)			
	L*(±10%)	D*(Min.)	A*(±10%)	d*(±10%)	l*(±10%)	Dw*(±10%)
TSGEC 105 12/4	38	12	15	4	40	2.6
TSGEC 110 14/5	45	14	18	5	42	2.2
TSGEC 115 20/6	65	20	25	6	55	2.5
TSGEC 120 25/8.5	75	25	30	8.5	65	2.5
TSGEC 130 35/16	92	35	35	16	83	3.3
TSGEC 135 40/16	95	40	40	15	75	3.3
TSGEC 140 55/26	114	55	50	26	105	3.5
TSGEC 150 75/36	132	75	55	36	115	4.2
TSGEC 160 100/52	153	100	70	52	130	5
TSGEC 170 120/60	155	120	70	60	150	5
TSGEC 180 145/60	160	145	70	60	150	5
TSGEC 190 160/82	160	160	70	82	133	4.5
TSGEC 200 200/90	170	200	70	90	145	4.5

D* = Inner diameter as supplied
d* = Inner diameter after fully recovered

w* = Wall thickness after fully recovered
A* = Length of adhesive
L* = Length of end cap

Technical Properties

Test Items	Test Method	Test Requirement
Tensile strength	ASTMD2671	12MPa min
Ultimate Elongation	ASTMD2671	200% min
Volume Resistivity	IEC 93	10 ¹⁴ Ω.cm min
Dielectric Strength	IEC 60243	12kN/mm (1.0mm)
Water Absorption	ISO 62	0.5% max.
Heat Shock @ 225°C/4Hrs	ASTMD2671	No cracking, dropping
Density	ASTMD792	1.0~1.1g/cm ³

TSGEC tubing shall be homogeneous and essentially free from flaws, defects, pinholes, bubbles, seams, cracks and inclusions. Standard color is black.

Standard color: Black

Availability In standard lengths

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