

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.

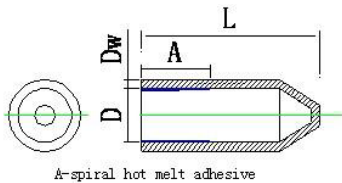
Minimum fully shrink temperature: 120°C.

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 has 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 | 40 | 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 | 70 | 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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