



Compiled/Updated	LL
Approved	CD
Issued Date	5-6-26
Amendment	A2

Product Data Sheet – Possum Tails Conductor Cover

Safeguarding Powerlines with Advanced Wildlife and Fire Protection

Key Features:

- **Wildlife Protection:** Prevents flora & fauna from contacting live wires – preventing outages, protecting wildlife and the environment.
- **Durable:** Engineered with UV-resistant materials ensuring long-term performance.
- **Highly Flame Retardant:** V0 flame resistant - Non-combustible which helps prevent flame spread or habitat ignition.
- **Lightweight:** Designed for minimal weight
- **For use up to 38kV phase to phase line voltage** (as per IEEE 1656).
- **Simple Installation** by hand or with tool
- **Superior overlap** for better coverage around tight bends

Applications:

- **Possum Tails** helps mitigate the risk of foliage and wildlife contacting powerlines, reducing the likelihood of fires, power outages and incidents.
- **Possum Tails** is a cost-effective measure compared to the potential consequences, of the loss of wildlife habitat, the risk to human life, and significant damage caused to electrical infrastructure.
- **Possum Tails** is a durable, lightweight solution that not only addresses the issue of wildlife electrocution but also enhances fire safety and operational efficiency. Plus, it is easy to install using a specialised slider tool.
- With features such as UV stability and flame retardancy, **Possum Tails** ensures long-lasting protection under harsh environmental conditions, making it a practical and effective choice for comprehensive powerline safety management.



Figure 1 Possum Tails PT20A1

Scan for instructions



Part description:

Possum Tails

Install Slider Tool

Part Number:

PT-TL

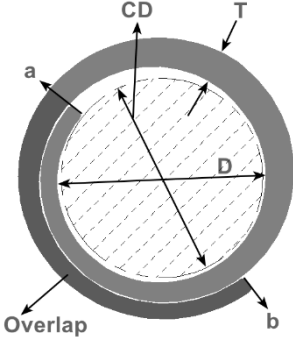


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Part No. Table (A)

<u>Part No.</u>	<u>Description</u>
PT20A1	Possum Tails 15m Length Gray Silicon Rubber Covers

Dimensions Table (B)

L	T	D	CD	Overlap	Unit Weight	Colour
15m 49.2ft	Up to 3.8mm Up to 0.15"	Ø20mm Ø0.8 "	Ø11mm-Ø19mm Ø0.45"-Ø0.75"	Min 60mm Min 2.36"	630g/m 2oz/ft	Grey
L = Unit Length, one piece at 15m (49.2ft) per package. Can be cut to length as needed during installation. T = Thickness, Max thickness up to 3.8mm (0.15"). D = Possum Tails Inner Diameter in free state. CD = Use Range, Suitable Conductor Outer Diameter from Ø11mm to Ø19mm (0.45"-0.75"). Overlap = The overlap length from Point a to Point b, minimum 60mm (2.36") when applied on Ø19mm (0.75") conductor.						

Note: Any dimensions or weights figures are estimates only.

Materials Table (C)

Standard UV stabilized V0 grade flame retardant Silicon Rubber

Ratings Table (D)

1	Tensile Strength^(a) ASTM D412	6.3 MPa 914 PSI	2	Elongation^(a) ASTM D412	158.2%
3	Tear Resistance^(a) ASTM D624	15.9 kN/m 90.8 PPI	4	Durometer ASTM D2240	Shore A - 70
5	UV aging test for 1000hours^(b) ISO 4892-3, 4582	No visual signs of damage	6	Flammability^(b) UL94	V-0, did not ignite



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7	AC Dry/Wet Withstand test/1 min^(c) Refer to IEEE 1656 test method	Application voltage up to 38kV phase to phase (both phases covered) Tested at 26kV (Phase to Ground) without the occurrence of disruptive discharge or other electrical failure	8	Testing on 247°F/120°C heated rod for 1 hour^(c)	No adverse functional effect on unit
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(a) Results obtained from the supplier test report tested on the silicon rubber material.

(b) Results obtained at a third-party test lab for reference.

(c) Results obtained at Balmoral Engineering inhouse test lab for reference.

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