



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

Product Data Sheet - Panther Tails

Line Guards for covering power lines and wires to provide electrical insulation from brush contact and mechanical protection from trees and vegetation.

Key Features:

- Helps prevent trees and vegetation from contacting power lines and causing potential arcing and bush fires.
- Unique dual layer, with black wear resistant outer layer and yellow inner layer provides a visual indicator of wear.
- Black outer layer blends into native environment.
- **TPP15** comes in roll form allowing a suitable length to be cut to size.
- **TPP20 and 35** come in individual lengths, which can be interconnected to create a continuous barrier.
- **TPP15** is made from a specially formulated EVA material.
- **TPP20 and 35** are made from hard wearing Polyethylene.
- Decades of use, trusted by utility companies worldwide.
- Electrical compliance with ASTM F712 as a class 2 rated product suitable for uses up to 14.6kv (both phases covered).
- Suitable for long term installations.
- Installation tool options available for **TPP15**.
- Simple hand installation possible for all 3 versions.

Figure 1
TPP15



Figure 2
TPP20



Figure 3
TPP35



Scan for instructions



Part description:

Panther Tails

Part Number:

TPP15

TPP20

TPP35



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

Dimensions Table (A)

Item No.	Length	Inner Diameter	Thickness	Weight
TPP15	60m	15mm	2.2mm	9kg
TPP20	3m	20mm	2.2mm	800g
TPP35	3m	35mm	2.2mm	1.8kg

Note: Any dimensions or weights figures are estimates only.

Ratings Table (B)

1	Testing on 80°C heated rod for 1 hour ^(a)	No adverse functional effect on unit.	2	Conforms electrically to standard	ASTM F712 Class 2, 14.6kv ^(b)
3	Hardness rating	105 Shore A (TPP20 + 35).	4	Accelerated UV testing	TPP15 - 1000 hours TPP20 + TPP35 - 2000 hours

(a) Results obtained at Balmoral Engineering inhouse test lab for reference,

(b) Both phases covered.

Disclaimer: BALMORAL ENGINEERING, ROTAMARKA, TIGER TAILS and BIRDFLAPPA are trademarks owned by Balmoral Engineering Pty Ltd. The information in this document or product specification is believed to be correct as of the date of issue and is subject to change without notice. This document should be read in conjunction with the applicable Instructions For Use (IFU) document. Data within Balmoral Engineering Product Data Sheet (PDS) may be subject to tolerances. These tolerances will be defined within the applicable PDS or made available on request. Results and output data in this data sheet are indicative of lab testing protocols and may vary in field applications or environments. BALMORAL ENGINEERING makes no guarantees, expressed or implied as to the merchantability or fitness for purpose. The products are only to be used and installed by industry certified personnel. If applicable, maximum test speeds should be endured by the Products for a limited time period no greater than those described in the lab protocols. Imperial system units of measure are approximations only and have been converted from the data originally recorded in the metric system. Performance of the device in extreme weather events or harsh environments is not warranted. If BALMORAL ENGINEERING sells any component of a product or kit, we make no representations or guarantees as to the serviceability of the actual product or kit into which the component is being added. Furthermore, it is recommended that any such addition to the kit is done by BALMORAL ENGINEERING. In relation to the Balmoral Engineering Visual Warning series of products, it should be noted that not all visual responses to the device are going to be similar or alike. As such, no guarantees can be given as to the products effectiveness. Given the variety of factors that can affect the use and application of a product, some of which are within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for the user's method of use or application. The purpose of this document is to provide a description of the product and/or guidance to the installation thereof. When installing Balmoral Engineering products, due consideration must be given to the user's training and practice methodologies including any requirements of the entity who owns the infrastructure onto which the BALMORAL ENGINEERING Product is being installed. This must take precedence over any guidance BALMORAL ENGINEERING may provide. Notwithstanding, that all the above guidelines are followed, the ultimate responsibility for installing and maintaining the product correctly is with the end user. BALMORAL ENGINEERING accepts no liability for consequential damage relating to wildfires or bushfires particularly in regard to incorrect installation. As service environments may differ markedly with each application, the level of care required may change and is solely the responsibility of the end user. Any product images displayed are representative only. The above data sheet is provided as an estimate of performance and life and is not a guarantee or warranty. © 2026, All Rights Reserved, Balmoral Engineering Pty Ltd.