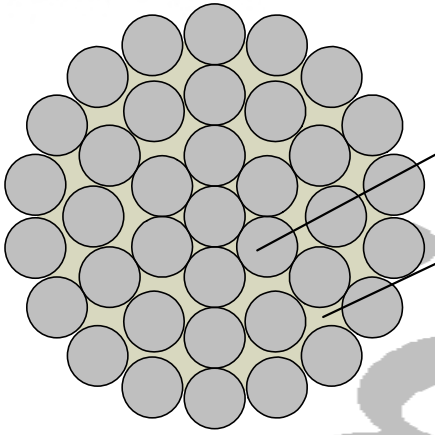
PRYSMIAN

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MECHANICAL / PHYSICAL PROPERTIES & DATA	UNITS	VALUE
CONDUCTOR TYPE:	-	AAC
CONDUCTOR CODE NAME:	-	TRITON
CONDUCTOR STRANDING (NOMINAL):	No./mm	37 / 3.75
CONDUCTOR C.S.A. (NOMINAL):	mm²	408.5
CONDUCTOR DIAMETER (NOMINAL):	mm	26.3
CALCULATED BREAKING LOAD (CBL):	kN	62.2
FINAL MODULUS OF ELASTICITY (CALCULATED):	GPa	64
ULTIMATE TENSILE STRESS	MPa	160
COEFFICIENT OF LINEAR EXPANSION:	/ °C x 10^{-6}	23
MINIMUM BENDING RADIUS (DURING INSTALLATION):	mm	525
MINIMUM BENDING RADIUS (INSTALLED SET IN POSITION):	mm	315
MINIMUM DRUM BARREL DIAMETER:	mm	630
MINIMUM RECOMMENDED BENDING (SHEAVE) DIAMETER:	mm	525
CONDUCTOR WEIGHT PER METRE (NOMINAL):	kg/km	1,191

NOTES:
- The value provided for CBL is calculated as per AS1531, and is a nominal value only.
- Grease used is a Lithium based grease with a minimum drop point of 170°C.
- Ultimate Tensile Street is for a single wire and is taken from AS 1531

ELECTRICAL PROPERTIES AND DATA	UNITS	VALUE
EQUIVALENT ALUMINIUM AREA (NOMINAL):	mm²	400
EQUIVALENT COPPER AREA (NOMINAL):	mm²	252
D.C. RESISTANCE (MAXIMUM):	Ω/km @20°C	0.0706
A.C. RESISTANCE (MAXIMUM):	Ω/km @75°C	0.0870
CURRENT RATING WINTER NIGHT 0.5 m/s WIND:	A	975
CURRENT RATING SUMMER NOON 0.5 m/s WIND:	A	604
TEMPERATURE COEFFICIENT OF RESISTANCE	/°C	0.00403
INDUCTIVE REACTANCE TO 0.3 m:	Ω/km	0.214
FAULT CURRENT RATING:	kA².sec	1,364
MAXIMUM SHORT CIRCUIT TEMPERATURE	°C	160
GEOMETRIC MEAN RADIUS:	mm	10.1

NOTES:
- The value provided for DC Resistance is calculated as per AS1531, and is a nominal value only.

CURRENT RATINGS:
- **a)** Values given are calculated only.
- **b)** **Summer Day** based on 35°C Ambient Air Temperature, Temperature Rise by 40°C to 75°C, Emissivity = 0.2, Solar Absorbtion Coefficient = 0.6, Solar Radiation Intensity = 1000W/m², Wind Velocity = 0.5 m/s, and Angle Of Wind = 90°.
- **c)** **Winter Night** based on 15°C Ambient Air Temperature, Temperature Rise by 60°C to 75°C, Emissivity = 0.2, Absorbance = 0, Solar Radiation Intensity = Nil, Wind Velocity = 0.5 m/s, and Angle Of Wind = 90°.

Customer Approval:
Name*:
Signature*:
Position*:
Company*:
Date*:
*To be completed & returned at order.

TITLE:

AAC (1350) To AS 1531.

H12275

All Aluminium Conductor (1350) Grease Treated (GT) Bare Overhead Type Conductor

Reason For Re-Issue:
Not applicable, first issue.

Scale: NTS Colours are for illustration only and may not necessarily reflect actual colours in final product.

Drawn by: A. Vasta
Issue Date: 13-09-2019
Issue No.: 1

Drawing Ref No.: 20199289 TRITON GT