

Classification Report



BASEC Client **Energya Power Cables**

Report No. P1CPRT2198-3 Classification

Number of pages in this Report: 6

Issue Date **30 November 2020**

Items Tested 2 samples of Electric Cable

Specification(s) BS EN 13501-6:2014

Authorised by: I McGuinness

Laboratory Manager

Issue Date: 30 November 2020

This Classification Report does not represent type approval or certification of the product. This Classification Report shall not be reproduced except in full, without written approval of the laboratory.

British Approvals Service for Cables
Presley House
Presley Way
Crownhill
Milton Keynes
MK8 0ES UK
T: 01908 267300
F: 01908 267255
E: mail@basec.org.uk
W: www.basec.org.uk



Notified Body No. 2661

Introduction

This classification report defines the classification assigned to the product, Electric Cable, in accordance with the procedures given in BS EN 13501-6:2014



**CLASSIFICATION OF REACTION TO FIRE
FOR ELECTRIC CABLES IN ACCORDANCE WITH
BS EN 13501-6:2014**

Sponsor: Energya Power Cables
Places of Manufacture: Energya Power Cables , 10th of Ramadan City, Industrial Zone, Area A1, Cairo, Egypt
Prepared by: British Approvals Service for Cables, Presley House, Presley Way, Crownhill Milton Keynes, MK8 0ES, United Kingdom
Notified Body No. 2661
Cable Family Name: BS 6622 - 19/33 (36) KV SWA
Classification Report No. P1CPRT2198-3 Classification
Issue Number: 1
Date of Issue: 30 November 2020

This classification report consists of 6 pages and may only be used or reproduced in its entirety.

BASEC Report No: P1CPRT2198-3 Classification

Details of classified product

General

This classification report defines the classification for the Electric Cable in accordance with the procedures given in BS EN 13501-6:2014.

Product description

Electric Cable family 'BS 6622 - 19/33 (36) KV SWA' is described in the 'Sample details' below.

Traceability

The test samples were submitted by the manufacturer and received on 11 November 2020.

Sample details

| Parameter | Details |
|------------------------------------|--|
| Test sponsor | Energys Power Cables |
| Manufacturer of sample | Energys Power Cables |
| Places of manufacture | 10th of Ramadan City, Industrial Zone, Area A1, Cairo, Egypt |
| Trade name | BS 6622 - 19/33 (36) KV SWA |
| Samples description | BS 6622 - 19/33 (36) KV SWA, Three core Circular Class 2 copper Conductors, XLPE insulation, Steel Wire Armour, PVC sheath |
| Test sponsor's product data | |
| Generic type of product | Electric Cable |
| Cable sizes | 3x95mm ² 3x240mm ² |
| Measured sample data | |
| Overall diameter (mm) | 3x95mm ² = 80.2 3x240mm ² = 94.4 |

BASEC Report No: P1CPRT2198-3 Classification

Reports & results in support of this classification

Reports

| Name of Laboratory | Name of test sponsor | Test reports Nos. | Test method/field of application rules |
|--------------------|----------------------|-------------------|--|
| BASEC | Energys Power Cables | P1CPRT2198 | BS EN 60332-1-2:2004+A11:2016 |

Results

| Test method & test number | Parameter | No. tests run | Results | |
|-----------------------------------|-----------|---------------|---|----------------------------|
| | | | Continuous parameter | Compliance with parameters |
| BS EN 60332-1-2:2004 +A11:2016 | H | 1 | 3x95mm ² = 125 3x240mm ² = 151 | ≤425mm = Eca Compliant |

BASEC Report No: P1CPRT2198-3 Classification

Classification and field of application

Reference of classification

This classification has been carried out in accordance with BS EN 13501-6:2014

Classification

Electric Cable, BS 6622 - 19/33 (36) KV SWA in relation to reaction to fire behaviour are classified within the following range:

E_{ca}

The format of the reaction to fire classification for electric cables is:

| Fire Behaviour | | Smoke Production | | | Flaming Droplets | | | Acidity | |
|----------------|---|------------------|---|---|------------------|---|---|---------|---|
| E_{ca} | - | - | - | , | - | - | , | - | - |

Reaction to fire classification: E_{ca}

The classification assigned to the products in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Regulation.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of samples tested.

BASEC Report No: P1CPRT2198-3 Classification

Field of application

This classification is valid for the Electric Cable described in 'Sample details' and listed below as determined in the extended application process according to PD-CLC/TS 50576:2016.

| Brand Name | Number of cores | Conductor size | Reaction to Fire Classification |
|----------------------|-----------------|--|---------------------------------|
| Energys Power Cables | 3 | 95mm ² – 240mm ² | E _{ca} |

This classification is valid for cables for general applications in construction works subject to reaction to fire requirements.

Limitations

This classification will be valid whilst;

- The test methods remain unchanged,
- The product standard or technical approval remains unchanged,
- Constructional or material modifications do not exceed limits of the field of application.

The manufacturer has made a declaration, which is held on file, which the product placed in the marketplace, named in product description section of this report and produced at the manufacturing plants listed therein, is exactly the same as the product that was tested.

This classification document does not represent type approval or certification of the product.

- - END OF REPORT - - -