

318-TQ Cable H05BN4-F

Eland Product Group **A5Q**



Application

Flexible cords suitable for use in domestic premises, kitchens and offices. Also suitable for use in hot situations such as immersion heaters. Good resistance to oil and grease.

Standards

BS6500, VDE 0282

Technical Data

Conductor

Class 5 flexible plain copper conductors

Voltage Rating

300/500V

Insulation

EPR (Ethylene Propylene Rubber) Compound

Temperature Rating

-35°C to +85°C

Sheath

HOFR Compound
(Heat & Oil Resistant, Flame Retardent)

Minimum Bending Radius

6 x overall diameter

Sheath Colour

White

Conductor Identification

3 Cores: Brown, Blue, Green/Yellow

Dimensions

| Eland Part Numbers | No. of Cores x Nominal Cross Sectional Area # x mm ² | Nominal Thickness of Insulation mm | Nominal Overall Diameter mm | Nominal Weight kg/Km |
|--------------------|--|--|--------------------------------|-------------------------|
| A5Q03015 | 3 x 1.50 | 0.8 | 8.7 | 115 |
| A5Q03025 | 3 x 2.50 | 0.9 | 10.1 | 165 |

Conductors

Class 5 flexible Copper Conductors for Single Core and Multi-Core cables

| 1 Nominal Cross Sectional Area mm ² | 2 Maximum Diameter of Wires in Conductors mm | 4 Maximum Resistance of Conductor at 20°C |
|---|---|--|
| | | Metal-Coated Wires ohms/km |
| 1.50 | 0.26 | 13.30 |
| 2.50 | 0.26 | 7.98 |

Table in accordance with BS EN 60228:2005 (previously BS6360)

Electrical Characteristics

Current Carrying Capacity (amperes): and Mass Supportable (kg)

| Conductor Cross Sectional Area mm ² | Current Carrying Capacity | | Maximum Mass Supportable by Twin Flexible Cord (see Regulation 522-08-06) kg |
|--|---------------------------|---------------------|---|
| | Single Phase AC A | Three Phase AC A | |
| 1 | 2 | 3 | 4 |
| 1.50 | 16 | 16 | 5 |
| 2.50 | 25 | 20 | 5 |

Correction factor for ambient temperature

85°C and 90°C thermoplastic (pvc) or thermosetting (rubber) insulated cords:

| Ambient Temperature | 35 to 50°C | 55°C | 60°C | 65°C | 70°C |
|---------------------|------------|------|------|------|------|
| Correction Factor | 1.0 | 0.96 | 0.83 | 0.67 | 0.47 |

The above table is in accordance with Table 4H3A of the 16th Edition of IEE Wiring Regulations.

Voltage Drop (per ampere per metre)

| Conductor Cross Sectional Area mm ² | DC or Single Phase AC mV/A/m | Three Phase AC mV/A/m |
|---|---------------------------------|--------------------------|
| 1 | 2 | 3 |
| 1.50 | 32 | 27 |
| 2.50 | 19 | 16 |

Conductor operating temperature: 60°C*

The information contained within this datasheet is for guidance only. When selecting accessories such as cleats, glands, etc please note that actual cable dimensions may vary due to manufacturing tolerances.