NYY-J PVC 0.6/1kV Power Cable

Eland Product Group: A9N

APPLICATION
Power and control cable for fixed installation. Can be used indoors, outdoors, underground, in concrete and in water.

CHARACTERISTICS
Voltage Rating Uo/U 0.6/1kV
Temperature Rating
Fixed: -15ºC to +70ºC
Flexed: -5ºC to +50ºC
Minimum Bending Radius
Fixed: 12 x overall diameter

CONSTRUCTION
Conductor
RE: Class 1 solid copper conductor
RM: Class 2 stranded copper conductor

Insulation
PVC (Polyvinyl Chloride)

Filler
PVC (Polyvinyl Chloride)

Sheath
PVC (Polyvinyl Chloride)

Core Identification
3 core: ● Green/Yellow ● Blue ● Brown
4 core: ● Green/Yellow ● Brown ● Black ● Grey
5 core: ● Green/Yellow ● Brown ● Black ● Grey ● Blue
7 core and above: ● Black with ○ White numbers

Sheath Colour
● Black

Note
NYY-O (without Green/Yellow earth conductor) also available

STANDARDS
IEC 60502-1
Flame retardant according to IEC/EN 60332-1-2

ISO/IEC 17025 LABORATORY TESTED
This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.

REGULATORY COMPLIANCE
This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.
## Dimensions

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## CONDUCTORS

**Class 1 Solid Conductors for Single Core and Multi-Core Cables**

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<th>CONDUCTOR TYPE</th>
<th>NOMINAL THICKNESS OF INSULATION mm</th>
<th>NOMINAL THICKNESS OF SHEATH mm</th>
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### Conductor Types

- **RE**: Round Electrically Conductive Foamed Rubber Insulation
- **RM**: Round Mineral Insulation

### Circular, Annealed Copper Conductor

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The above table is in accordance with EN 60228

### ELECTRICAL CHARACTERISTICS

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## ELECTRICAL CHARACTERISTICS

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Ambient Temperature: 30°C
Depth of Laying: 0.5m
Ground Temperature: 15°C
Thermal Resistivity of Soil: 12km/w

DE-RATING FACTORS
For Air Temperature other than 30°C

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The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.