

NGHT SERIES

Extreme Performance High Temperature Glass Fibre Nickel Cable 500V 400°C



APPLICATIONS:

Extreme High Temperature Suitable for wiring in aerospace, steel making and chemical industries where temperatures range from -60° to 400°C.

High Temperature Suitable for wiring on kilns, boilers and other high temperature applications and surfaces to 400°C.

Low Temperature Used for wiring in industrial cool stores and freezers to -60°C.

Power Suitable for wiring of public lighting in medical areas.

PRODUCT FEATURES:

- ▶ Fine stranded nickel conductor
- ▶ Good electronic, chemical and radiation properties
- ▶ Very little change to insulation resistance at high temperature
- ▶ UV stabilised
- ▶ Flame retardant

CONSTRUCTION:

Conductor Annealed tinned copper stranded high flexibility (Class 5).

Insulation Glass fibre with special heat resistant impregnation (Class C).

CHARACTERISTICS:

Operating Temperature Range Fixed -60°C to 400°C (up to 450°C for short time).

Maximum Conductor Temperature 400°C.

Rated Voltage 500v.

Minimum Bending Radius Fixed 18 x cable diameter.

Sheath Colour Beige.

Relevant Standards DIN VDE 0295,

CE Directive 2006/95/EC, **RoHS** Compliant.

Code	No. of Cores x Size (mm ²)	Approx. Stranding (No. of wires x mm)	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)
NGHT1/1.5	1 x 1.5	30/0.25	2.8	18
NGHT1/2.5	1 x 2.5	50/0.25	3.4	30
NGHT1/4.0	1 x 4.0	56/0.30	4.5	47
NGHT1/6.0	1 x 6.0	84/0.30	4.9	71

Current Rating For Two Cables In Air At Ambient Temperature °C						
Size (mm ²)	Amp @ 150°C	Amp @ 200°C	Amp @ 250°C	Amp @ 300°C	Amp @ 350°C	Amp @ 400°C
1.5	13.2	12.3	10.9	9.4	7.7	5.3
2.5	18.5	17.2	15.2	13.2	10.8	7.5
4.0	25.2	23.4	20.7	18.0	14.7	10.2
6.0	32.8	30.4	26.9	23.4	19.1	13.2

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