

# NSHTOU Cable

Eland Product Group **A5N**



## Application

For use in hoists, transporting machines and conveyors, in power chains, as drum and drag cables and as hawsers. Wherever cables are reeled, unreel, guided by roller trains or similar.

## Standards

VDE0250, VDE0293

## Technical Data

### Conductor

Flexible Class 5 tinned copper conductors to IEC 60228

### Insulation

EPR (Ethylene Propylene Rubber)

### Filler

Unspecified material

### Bedding

Unspecified material

### Braiding

Vulcanised fabric

### Sheath

PCP (Polychloroprene)

### Sheath Colour

Black

### Voltage Rating

600/1000V

### Temperature Rating

-40°C to +70°C

### Minimum Bending Radius

6 x cable diameter

### Conductor Identification

#### NSHTOU-J

4 Cores: Green/Yellow, Black, Blue, Brown

5 Cores: Green/Yellow, Black, Black, Blue, Brown

Other sizes available

#### NSHTOU-O

(without Green/Yellow cores is also available)

## Dimensions

Eland Part Number	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	Nominal Overall Diameter mm	Nominal Weight kg/Km
A5N0415	4 x 1.5	14.6	29.50
A5N0515	5 x 1.5	15.6	34.00
A5N0715	7 x 1.5	17.6	42.00
A5N1215	12 x 1.5	21.3	63.00
A5N1815	18 x 1.5	24.8	89.50
A5N2415	24 x 1.5	28.0	110.00
A5N3015	30 x 1.5	30.3	134.50
A5N4215	42 x 1.5	35.2	177.30
A5N0425	4 x 2.5	16.2	37.00
A5N0525	5 x 2.5	18.6	49.00
A5N0725	7 x 2.5	20.8	61.50
A5N1225	12 x 2.5	24.9	89.50
A5N1825	18 x 2.5	28.2	119.50
A5N2425	24 x 2.5	33.0	156.50
A5N3025	30 x 2.5	34.6	183.00
A5N4525	45 x 2.5	43.8	286.30
A5N0440	4 x 4.0	29.3	52.00
A5N0540	5 x 4.0	20.5	64.00

Eland Part Number	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	Nominal Overall Diameter mm	Nominal Weight kg/Km
A5N0460	4 x 6.0	21.7	69.00
A5N0560	5 x 6.0	23.2	85.50
A5N0410	4 x 10.0	25.9	102.50
A5N0510	5 x 10.0	27.8	120.00
A5N0416	4 x 16.0	29.1	130.50
A5N0516	5 x 16.0	31.7	174.50
A5N0425	4 x 25.0	34.4	207.00
A5N0435	4 x 35.0	38.6	274.00
A5N0450	4 x 50.0	45.0	379.00
A5N0470	4 x 70.0	51.0	535.60
A5N0495	4 x 95.0	60.6	701.80
A5N4120	4 x 120.0	63.5	822.00
A5N4150	4 x 150.0	66.5	890.50

## Conductors

### Class 5 flexible copper conductors for Single Core and Multi-Core cables

1	2	4
Nominal Cross Sectional Area mm <sup>2</sup>	Maximum Diameter of Wires in Conductor mm	Maximum Resistance of Conductor at 20°C Metal-Coated Wires ohms/Km
1.50	0.26	13.7000
2.50	0.26	8.2100
4.00	0.31	5.0900
6.00	0.31	3.3900
10.00	0.41	1.9500
16.00	0.41	1.2400
25.00	0.41	0.7950
35.00	0.41	0.5650
50.00	0.41	0.3930
70.00	0.51	0.2770
95.00	0.51	0.2100
120.00	0.51	0.1640
150.00	0.51	0.1320

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

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.