

NEK606 Type UX P108 0.6/1kV Cable



Eland Product Group: ASH

APPLICATION

A flame-retardant and halogen-free earthing and bonding cable designed for fixed installation in conditions where oil and gas rigs are usually working. Suitable for use in extreme temperatures, saline atmospheres, and where hydrocarbons, oils and drilling fluids and muds are present, meeting the requirements of NEK606.

CHARACTERISTICS

Voltage Rating U_0/U
0.6/1kV

Maximum Operating Voltage U_{max}
1.2kV

Temperature Range
+90°C

Minimum Bending Radius
4x overall diameter

CONSTRUCTION

Conductor

Class 2 stranded tinned annealed copper

Insulation

SHF2 H-M compound

Insulation Colour

Green/Yellow

CABLE THIRD-PARTY ACCREDITATIONS

We supply DNV approved products

Cables are tested and certified by Det Norske Veritas (Norway)

We supply Lloyds Register approved products

Cables are tested and certified by Lloyds Register (UK)

We supply ABS approved products

Cables are tested and certified by American Bureau of Shipping (USA)

STANDARDS

NEK 606, IEC 60228, IEC 60092-360
Flame Retardancy IEC 60332-1-2, IEC 60332-3-22 CAT A
Halogen Content & Corrosivity IEC 60754-1 & IEC 60684-2
Smoke Density IEC 61034-1 / 2
UV Resistance UL 1581 § 1200
Ozone Resistance IEC 60092.360
Mineral/Hydraulic Oils & Muds Resistance NEK 606
Impact & Cold Resistance CSA C 22.2 N° 0.3-09 & N° 38-18

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
ASHN006	1	6	5.3	115
ASHN010	1	10	6.6	155
ASHN016	1	16	7.7	220
ASHN025	1	25	9.5	300
ASHN035	1	35	10.4	390
ASHN050	1	50	12.1	490
ASHN070	1	70	13.6	670
ASHN095	1	95	15.5	920
ASHN120	1	120	17.5	1170
ASHN150	1	150	19.4	1445
ASHN185	1	185	21.7	1930
ASHN240	1	240	24.7	2425
ASHN300	1	300	27.2	3000
ASHN400	1	400	29.7	3950

ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR RESISTANCE AT 20°C Ω/km	CURRENT CARRYING CAPACITY Amps	CONDUCTOR SHORT CIRCUIT RATING AT 250°C FOR 1S KA
1	6	3.11	52	0.86
1	10	1.84	72	1.43
1	16	1.16	96	2.29
1	25	0.734	127	3.58
1	35	0.529	157	5.01
1	50	0.391	196	7.15
1	70	0.27	242	10.0
1	95	0.195	293	13.6
1	120	0.154	339	17.2
1	150	0.126	389	21.5
1	185	0.1	444	26.5
1	240	0.0762	522	34.3
1	300	0.0607	601	42.9
1	400	0.0475	690 (DC)	56.0

CURRENT CARRYING CAPACITY IS TAKEN FROM IEC 60092-352, TABLE B.4, (90°C CONDUCTOR OPERATING AND 45°C AMBIENT TEMPERATURES) in continuous service at maximum rated conductor temperature.

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.