



Eland Product Group: B3F

APPLICATION

The NAYRY-J/O is mainly used for power distribution in power stations, industrial installation and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air and in water if high protection against mechanical damage is required.

CHARACTERISTICS

Voltage Rating U_o/U
0.6/1kV

Test Voltage
4kV/50Hz

Temperature Rating
Laying temperature: min -5°C
Operating temperature: -50°C to +70°C
Maximum conductor temperature: +70°C

Short Circuit Temperature
160°C

Minimum Bending Radius
15 x overall diameter

CONSTRUCTION

Conductor
RM: Class 2 round stranded aluminium
SM: Class 2 sector shaped stranded aluminium

Insulation
PVC (Polyvinyl chloride)

Armour
SWA (Galvanized Steel Wire Armour)

Tape
Plastic Tape

Outer Sheath
UV resistant PVC (Polyvinyl chloride)

Core identification
3 core + earth: ● Brown ● Black ● Grey ● Green/Yellow

Outer Sheath Colour
● Black

Note: Available without earth (NAYRY-O) on request

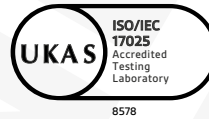
STANDARDS

DIN VDE 0276-603 (HD603), HD 308 S2

Flame retardant according to EN 50265-2-1, IEC/EN 60332-1

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

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR TYPE	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B3F03035/16BK	3+1	35+16	SM/RM	31.0	1460
B3F03050/25BK	3+1	50+25	SM/RM	35.7	1910
B3F03070/35BK	3+1	70+35	SM/RM	39.6	2460
B3F03095/50BK	3+1	95+50	SM/RM	46.0	3035
B3F03120/70BK	3+1	120+70	SM/RM	49.0	3785
B3F03150/95BK	3+1	150+95	SM/RM	54.5	4610
B3F03185/95BK	3+1	185+95	SM/RM	59.8	5425
B3F03240/120BK	3+1	240+120	SM/RM	68.9	6575

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITY A		MAXIMUM CONDUCTOR RESISTANCE AT 20°C Ω/km
	IN AIR	IN GROUND	
35+16	101	123	0.868/1.910
50+25	121	145	0.641/1.200
70+35	155	180	0.443/0.868
95+50	189	216	0.320/0.641
120+70	220	246	0.253/0.443
150+95	249	276	0.206/0.320
185+95	287	313	0.164/0.320
240+120	339	362	0.125/0.253

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.