

# NYM-J / NYM-O Cable



Eland Product Group: A9Y

## APPLICATION

For internal fixed installation in domestic, commercial or industrial settings, in dry, damp or wet environments and directly into concrete. Not suitable for installation in direct sunlight without additional protection.

## CHARACTERISTICS

**Voltage Rating** U<sub>0</sub>/U  
300/500V

**Test Voltage - AC**  
2kV

**Temperature Rating**  
Flexible: -5°C to +70°C  
Fixed: -40°C to +70°C

**Minimum Bending Radius**  
Single Core: 7.5 x overall diameter  
Multicore: 4 x overall diameter

## CONSTRUCTION

**Conductor**  
Class 1 or 2 Stranded Copper

**Insulation**  
PVC (Polyvinyl Chloride)

**Sheath**  
PVC (Polyvinyl Chloride)

### Core Identification

NYM-J:

2 core: ● Blue ● Brown  
3 core: ● Green/Yellow ● Blue ● Brown  
4 core: ● Green/Yellow ● Brown ● Black ● Grey  
5 core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey

NYM-O:

2 core: ● Blue ● Brown  
3 core: ● Brown ● Black ● Grey  
4 core: ● Blue ● Brown ● Black ● Grey  
5 core: ● Blue ● Brown ● Black ● Grey ● Black

### Sheath Colour

● Grey

## STANDARDS

DIN VDE 0281-1, UNE 21031-4, HD 21.4S2, IEC 60227-4,  
DIN VDE 0295, EN 60228, IEC 227- 4 MOD, VDE 0250-204  
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 - NYM-J

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A9Y1015	1	1.5	5.3	44
A9Y1025	1	2.5	5.8	57
A9Y1040	1	4	6.5	79
A9Y1060	1	6	7.05	101
A9Y110	1	10	8.2	152
A9Y116	1	16	9.25	213
A9Y125	1	25	10.95	310
A9Y135	1	35	12	411
A9Y2015	2	1.5	8.2	106
A9Y2025	2	2.5	9.5	148
A9Y2040	2	4	11.2	215
A9Y2060	2	6	12.3	277
A9Y210	2	10	15	429
A9Y225	2	25	20.5	873
A9Y3015	3	1.5	8.5	121
A9Y3025	3	2.5	9.95	174
A9Y3040	3	4	11.8	258
A9Y3060	3	6	13	337
A9Y310	3	10	15.85	528
A9Y316	3	16	18.1	731
A9Y325	3	25	22.2	1.115
A9Y335	3	35	24.45	1.462
A9Y4015	4	1.5	9.8	160
A9Y4025	4	2.5	11.05	218
A9Y4040	4	4	13.7	341
A9Y4060	4	6	14.7	431
A9Y410	4	10	17.4	654
A9Y416	4	16	19.8	907
A9Y425	4	25	24.3	1.383
A9Y435	4	35	26.85	1.825
A9Y5015	5	1.5	10.6	187
A9Y5025	5	2.5	11.95	255
A9Y5040	5	4	14.2	379
A9Y5060	5	6	15.7	501
A9Y510	5	10	18.8	771
A9Y516	5	16	22.05	1.110
A9Y525	5	25	26.65	1.661
A9Y535	2	35	30.4	2.276
A9Y7015	7	1.5	12.5	269
A9Y7025	7	2.5	12.8	320
A9Y10015	10	1.5	12.85	302
A9Y12015	12	1.5	13.55	344



## DIMENSIONS - NYM-O

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A9Y1015-O	1	1.5	5.3	44
A9Y1025-O	1	2.5	5.8	57
A9Y1040-O	1	4	6.5	79
A9Y1060-O	1	6	7.05	101
A9Y110-O	1	10	8.2	152
A9Y116-O	1	16	9.25	213
A9Y125-O	1	25	10.95	310
A9Y135-O	1	35	12	411
A9Y2015-O	2	1.5	8.2	106
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## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	RESISTANCE AT 20°C Ω/km	CURRENT RATING A	
		In air at 30°C	In pipe in air at 30°C
1.5	12.1	17.5	15
2.5	7.41	24	20
4	4.61	32	27
6	3.08	41	34
10	1.83	57	46
16	1.15	76	62
25	0.727	96	80
35	0.524	119	99

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.