

QUOTATION

10 Jamestown Road
 London
 NW1 7HW
 T: +44(0)20 7241 8787
 F: +44(0)20 7241 8700
 sales@elandcables.com
 www.elandcables.com

Quoted: KOZLODUY NPP EAD
 VRATSA REGION
 TOWN OF KOZLODUY
 3321 BULGARIA

Deliver To: DDP BULGARIA

For the attention of MONIKA PAUNOVA

Following your recent enquiry we have pleasure in confirming the following quotation.

All values stated are in EUR currency.

Quotation No	Account No	Your Reference	Enquiry Date	Quotation Date
099949594	029816	No.51838	31/08/2023	31/08/2023

Qty	Product Code	Description	Unit	Price	Value
1000	A5N2XH04015	4G1.5mm ² CL1 0.6/1kV XLPE/LSZH BLACK N2XH-J CORE COLOURS: BROWN,BLACKGREY, GREEN/YELLOW MOQ Availability : 8-10 WEEKS	100M	87.760	877.60
1000	A5N2XH04025	4G2.5mm ² CL1 0.6/1kV XLPE/LSZH BLACK N2XH-J CORE COLOURS: BROWN,BLACKGREY, GREEN/YELLOW MOQ Availability : 8-10 WEEKS	100M	128.090	1280.90
1000	A5N2XH04040	4G4mm ² CL1 0.6/1kV XLPE/LSZH BLACK N2XH-J MOQ Availability : 8-10 WEEKS	100M	191.750	1917.50
1000	A5N2XH04060	4G6mm ² CL1 0.6/1kV XLPE/LSZH BLACK N2XH-J CORE COLOURS: BROWN,BLACKGREY, GREEN/YELLOW MOQ Availability : 8-10 WEEKS	100M	272.400	2724.00
1000	A5N2XH0410	4G10mm ² CL1 0.6/1kV XLPE/LSZH BLACK N2XH-J CORE COLOURS: BROWN,BLACKGREY, GREEN/YELLOW MOQ Availability : 8-10 WEEKS	100M	442.600	4426.00
1000	A5N2XH0416	4G16mm ² CL2 0.6/1kV XLPE/LSZH BLACK N2XH-J CORE COLOURS: BROWN,BLACKGREY, GREEN/YELLOW MOQ Availability : 8-10 WEEKS	100M	680.240	6802.40
1000	A5N2XH0425	4G25mm ² CL2 0.6/1kV XLPE/LSZH BLACK N2XH-J MOQ Availability : 8-10 WEEKS	100M	1043.630	10436.30
1000	A5N2XH0435	4G35mm ² CL2 0.6/1kV XLPE/LSZH BLACK N2XH-J MOQ Availability : 8-10 WEEKS	100M	1438.320	14383.20
500	A5N2XH0450	4G50mm ² CL2 0.6/1kV XLPE/LSZH BLACK N2XH-J CORE COLOURS: BROWN,BLACKGREY, GREEN/YELLOW Availability : 8-10 WEEKS	100M	1910.440	9552.20
500	A5N2XH0470	4G70mm ² CL2 0.6/1kV XLPE/LSZH BLACK N2XH-J CORE COLOURS: BROWN,BLACKGREY, GREEN/YELLOW Availability : 8-10 WEEKS	100M	2727.720	13638.60
500	A5N2XH0495	4G95mm ² CL2 0.6/1kV XLPE/LSZH BLACK N2XH-J CORE COLOURS: BROWN,BLACKGREY, GREEN/YELLOW Availability : 8-10 WEEKS	100M	3733.930	18669.65

All sales by Eland Cables Limited are subject to the Company's Standard Terms and Conditions of Sale E&OE, copies of which can be requested from the address shown above or viewed at www.elandcables.com

QUOTATION

10 Jamestown Road
London
NW1 7HW
T: +44(0)20 7241 8787
F: +44(0)20 7241 8700
sales@elandcables.com
www.elandcables.com

Quoted: KOZLODUY NPP EAD
VRATSA REGION
TOWN OF KOZLODUY
3321 BULGARIA

Deliver To: DDP BULGARIA

For the attention of MONIKA PAUNOVA

Following your recent enquiry we have pleasure in confirming the following quotation.

All values stated are in EUR currency.

Quotation No	Account No	Your Reference	Enquiry Date	Quotation Date
099949594	029816	No.51838	31/08/2023	31/08/2023

Qty	Product Code	Description	Unit	Price	Value
500	A5N2XH04120	4G120mm ² CL2 0.6/1kV XLPE/LSZH BLACK N2XH-J CORE COLOURS: BROWN,BLACKGREY, GREEN/YELLOW Availability : 8-10 WEEKS	100M	4691.760	23458.80
500	A5N2XH04150	4G150mm ² CL2 0.6/1kV XLPE/LSZH BLACK N2XH-J Availability : 8-10 WEEKS	100M	5817.110	29085.55
500	A5N2XH04185	4G185mm ² CL2 0.6/1kV XLPE/LSZH BLACK N2XH-J CORE COLOURS: BROWN,BLACKGREY, GREEN/YELLOW Availability : 8-10 WEEKS	100M	7258.110	36290.55
500	A5N2XH04240	4G240mm ² CL2 0.6/1kV XLPE/LSZH BLACK N2XH-J CORE COLOURS: BROWN,BLACKGREY, GREEN/YELLOW Availability : 8-10 WEEKS	100M	9661.080	48305.40
1000	A6Z04015	4G1.5mm ² CL5 Cu 450/750V LSZH BLACK H07ZZ-F MOQ Availability : 8-10 WEEKS	100M	133.170	1331.70
1000	A6Z04025	4G2.5mm ² CL5 Cu 450/750V LSZH BLACK H07ZZ-F MOQ Availability : 8-10 WEEKS	100M	192.920	1929.20
1000	A6Z04040	4G4mm ² CL5 Cu 450/750V LSZH BLACK H07ZZ-F MOQ Availability : 8-10 WEEKS	100M	282.250	2822.50
1000	A6Z04060	4G6mm ² CL5 CU 450/750V LSZH BLACK H07ZZ-F MOQ Availability : 8-10 WEEKS	100M	389.190	3891.90
1000	A6Z0410	4G10mm ² CL5 Cu 450/750V LSZH BLACK H07ZZ-F MOQ Availability : 8-10 WEEKS	100M	688.310	6883.10
1000	A6Z0416	4G16mm ² CL5 CU 450/750V LSZH BLACK H07ZZ-F MOQ Availability : 8-10 WEEKS	100M	993.550	9935.50
1000	A6Z0425	4G25mm ² CL5 Cu 450/750V LSZH BLACK H07ZZ-F MOQ Availability : 8-10 WEEKS	100M	1512.800	15128.00
1000	A6Z0435	4G35mm ² CL5 Cu 450/750V LSZH BLACK H07ZZ-F MOQ Availability : 8-10 WEEKS	100M	1991.690	19916.90

All sales by Eland Cables Limited are subject to the Company's Standard Terms and Conditions of Sale E&OE, copies of which can be requested from the address shown above or viewed at www.elandcables.com

QUOTATION

10 Jamestown Road
London
NW1 7HW
T: +44(0)20 7241 8787
F: +44(0)20 7241 8700
sales@elandcables.com
www.elandcables.com

Quoted: KOZLODUY NPP EAD
VRATSA REGION
TOWN OF KOZLODUY
3321 BULGARIA

Deliver To: DDP BULGARIA

For the attention of MONIKA PAUNOVA

Following your recent enquiry we have pleasure in confirming the following quotation.

All values stated are in EUR currency.

Quotation No	Account No	Your Reference	Enquiry Date	Quotation Date
099949594	029816	No.51838	31/08/2023	31/08/2023

Qty	Product Code	Description	Unit	Price	Value
1000	A6Z0450	4G50mm ² CL5 Cu 450/750V LSZH BLACK H07ZZ-F MOQ Availability : 8-10 WEEKS	100M	2788.630	27886.30
1000	A6Z0470	4G70mm ² CL5 Cu 450/750V LSZH BLACK H07ZZ-F MOQ Availability : 8-10 WEEKS	100M	3878.160	38781.60
1000	A6Z0495	4x95mm ² CL5 Cu 450/750V LSZH BLK H07ZZ-F (No G/Y) MOQ Availability : 8-10 WEEKS	100M	5073.290	50732.90
1000	A6Z0410	4G10mm ² CL5 Cu 450/750V LSZH BLACK H07ZZ-F MOQ Availability : 8-10 WEEKS	100M	688.310	6883.10
1000	ZZ000689196	4x1.5mm ² Cu Cl5 N2XH-J 0.6/1kV Black MOQ Availability : 8-10 WEEKS	100M	99.140	991.40
1000	ZZ000689197	4x2.5mm ² Cu Cl5 N2XH-J 0.6/1kV Black MOQ Availability : 8-10 WEEKS	100M	150.260	1502.60
1000	ZZ000689198	4x4mm ² Cu Cl5 N2XH-J 0.6/1kV Black MOQ Availability : 8-10 WEEKS	100M	221.480	2214.80
1000	ZZ000689200	4x6mm ² Cu Cl5 N2XH-J 0.6/1kV Black MOQ Availability : 8-10 WEEKS	100M	318.190	3181.90
1000	ZZ000689201	4x10mm ² Cu Cl5 N2XH-J 0.6/1kV Black MOQ Availability : 8-10 WEEKS	100M	520.110	5201.10
1000	ZZ000689202	4x16mm ² Cu Cl5 N2XH-J 0.6/1kV Black MOQ Availability : 8-10 WEEKS	100M	798.920	7989.20
1000	ZZ000689204	4x25mm ² Cu Cl5 N2XH-J 0.6/1kV Black MOQ Availability : 8-10 WEEKS	100M	1212.740	12127.40
1000	ZZ000689205	4x35mm ² Cu Cl5 N2XH-J 0.6/1kV Black MOQ Availability : 8-10 WEEKS	100M	1680.520	16805.20

All sales by Eland Cables Limited are subject to the Company's Standard Terms and Conditions of Sale E&OE, copies of which can be requested from the address shown above or viewed at www.elandcables.com

QUOTATION

Quoted: KOZLODUY NPP EAD
VRATSA REGION
TOWN OF KOZLODUY
3321 BULGARIA

Deliver To: DDP BULGARIA

For the attention of MONIKA PAUNOVA

Following your recent enquiry we have pleasure in confirming the following quotation.

All values stated are in EUR currency.

Quotation No	Account No	Your Reference	Enquiry Date	Quotation Date
099949594	029816	No.51838	31/08/2023	31/08/2023

Qty	Product Code	Description	Unit	Price	Value
500	ZZ000689206	4x50mm ² Cu Cl5 N2XH-J 0.6/1kV Black Availability : 8-10 WEEKS	100M	2357.770	11788.85
500	ZZ000689207	4x70mm ² Cu Cl5 N2XH-J 0.6/1kV Black Availability : 8-10 WEEKS	100M	3308.430	16542.15
500	ZZ000689208	4x95mm ² Cu Cl5 N2XH-J 0.6/1kV Black Availability : 8-10 WEEKS	100M	4350.540	21752.70
500	ZZ000689209	4x120mm ² Cu Cl5 N2XH-J 0.6/1kV Black Availability : 8-10 WEEKS	100M	5516.200	27581.00
50	A2ZGY0075	0.75mm ² /GREEN YELLOW/100M REEL H05Z-K ALTERNATIVE 1X0.75MM MOQ Availability : 8-10 WEEKS	REEL	10.320	516.00
50	A2ZGY0010	1.00mm ² /GREEN YELLOW/100M REEL H05Z-K ALTERNATIVE 1X1MM MOQ Availability : 8-10 WEEKS	REEL	12.650	632.50
50	A3Z6491B015GY	6491B G/Y 1.5mm ² BASEC (H07Z-R) 100MTR REEL MOQ Availability : 8-10 WEEKS	REEL	18.540	927.00
50	A3Z6491B025GY	6491B G/Y 2.5mm ² BASEC (H07Z-R) 100MTR REEL MOQ Availability : 8-10 WEEKS	REEL	28.910	1445.50
50	A3Z6491B040GY	6491B G/Y 4mm ² BASEC (H07Z-R) 100MTR REEL MOQ Availability : 8-10 WEEKS	REEL	44.020	2201.00
30	A3Z6491B060GY	6491B G/Y 6mm ² BASEC (H07Z-R) 100MTR REEL MOQ Availability : 8-10 WEEKS	REEL	62.200	1866.00
30	A3Z6491B10GY	6491B G/Y 10mm ² BASEC (H07Z-R) 100MTR REEL MOQ Availability : 8-10 WEEKS	REEL	104.330	3129.90
50	A2ZGY0015	1.5mm ² /GREEN YELLOW/100M REEL H07Z-K MOQ Availability : 8-10 WEEKS	REEL	17.150	857.50
50	A2ZGY0025	2.5mm ² /GREEN YELLOW/100M REEL H07Z-K MOQ Availability : 8-10 WEEKS	REEL	26.610	1330.50

All sales by Eland Cables Limited are subject to the Company's Standard Terms and Conditions of Sale E&OE, copies of which can be requested from the address shown above or viewed at www.elandcables.com

QUOTATION

Quoted: KOZLODUY NPP EAD
VRATSA REGION
TOWN OF KOZLODUY
3321 BULGARIA

Deliver To: DDP BULGARIA

For the attention of MONIKA PAUNOVA

Following your recent enquiry we have pleasure in confirming the following quotation.

All values stated are in EUR currency.

Quotation No	Account No	Your Reference	Enquiry Date	Quotation Date
099949594	029816	No.51838	31/08/2023	31/08/2023

Qty	Product Code	Description	Unit	Price	Value
50	A2ZGY0040	4.00mm ² /GREEN YELLOW/100M REEL H07Z-K MOQ Availability : 8-10 WEEKS	REEL	39.790	1989.50
30	A2ZGY0060	6.00mm ² /GREEN YELLOW/100M REEL H07Z-K MOQ Availability : 8-10 WEEKS	REEL	56.760	1702.80
30	A2ZGY010	10.00mm ² /GREEN YELLOW/100 REEL H07Z-K MOQ Availability : 8-10 WEEKS	REEL	102.550	3076.50
10	A2ZGY016	16.00mm ² /GREEN YELLOW/100 REEL H07Z-K MOQ Availability : 8-10 WEEKS	REEL	150.870	1508.70
10	A2ZGY025	25.00mm ² /GREEN YELLOW/100 REEL H07Z-K MOQ Availability : 8-10 WEEKS	REEL	234.100	2341.00
1000	A2ZGY035	35.00mm ² /GREEN YELLOW/BUL H07Z-K MOQ Availability : 8-10 WEEKS	100M	307.610	3076.10
1000	A2ZGY050	50.00mm ² /GREEN YELLOW/BUL H07Z-K MOQ Availability : 8-10 WEEKS	100M	448.010	4480.10
1000	A2ZGY070BULK	70.00mm ² /GREEN YELLOW/BUL H07Z-K MOQ Availability : 8-10 WEEKS	100M	677.550	6775.50

Carriage	0.00
Total Goods	573505.75
Total VAT	0.00
Total Goods and VAT	573505.75

CONDITIONS:

VALIDITY: 7 DAYS FROM DATE OF QUOTATION
PRICE: EUR/100M INCL. COPPER AT EUR 7772/TON
SUBJECT TO ADJUSTMENT PER LME
EXCHANGE RATE TO GBP: EUR1.16; USD1.27 SUBJECT TO ADJUSTMENT
DELIVERY TIME: 8-10 WORKING WEEKS FROM DATE OF ORDER
CONFIRMATION

INCOTERMS: DDP BULGARIA
PAYMENT TERMS: TO BE AGREED
MANUFACTURING TOLERANCE - ALL LENGTHS SUPPLIED AND INVOICED
ARE SUBJECT TO A +/-5% TOLERANCE

PLEASE NOTE THAT UPON ISSUANCE OF AN ORDER ACKNOWLEDGEMENT
YOUR ORDER WILL BECOME NON-CANCELLABLE AND NON-REFUNDABLE

All sales by Eland Cables Limited are subject to the Company's Standard Terms and Conditions of Sale E&OE,
copies of which can be requested from the address shown above or viewed at www.elandcables.com

QUOTATION

10 Jamestown Road
 London
 NW1 7HW
 T: +44(0)20 7241 8787
 F: +44(0)20 7241 8700
 sales@elandcables.com
 www.elandcables.com

Quoted: KOZLODUY NPP EAD
 VRATSA REGION
 TOWN OF KOZLODUY
 3321 BULGARIA

Deliver To: DDP BULGARIA

For the attention of MONIKA PAUNOVA

Following your recent enquiry we have pleasure in confirming the following quotation.

All values stated are in EUR currency.

Quotation No	Account No	Your Reference	Enquiry Date	Quotation Date
099949594	029816	No.51838	31/08/2023	31/08/2023

Qty	Product Code	Description	Unit	Price	Value
-----	--------------	-------------	------	-------	-------

PRICES AND TERMS OFFERED ARE SUBJECT TO THE QUANTITIES BEING ORDERED IN FULL

We look forward to receiving your order.

Yours Sincerely,
 Andrea Liszkai



2491B / 6701B - H05Z-K / H07Z-K EN 50525-3-41 Cable



Eland Product Group: A2Z

APPLICATION

LSZH panel wiring for appliances with maximum operating temperatures of 90°C, and generally in areas (such as public and government buildings) where smoke and toxic fumes may cause a threat to life and equipment. The cables produce no corrosive gases when burnt which is particularly important where electronic equipment is installed.

CHARACTERISTICS

Voltage Rating Uo/U

H05Z-K - 0.5mm² to 1mm²: 300/500V

H07Z-K - 1.5mm² to 240mm²: 450/750V

Temperature Rating

-25°C to +90°C

Minimum Bending Radius

Up to 35mm²: 4 x overall diameter

50mm² and above: 6 x overall diameter

CONSTRUCTION

Conductor

Class 5 flexible copper conductor

Insulation

LSZH (Low Smoke Zero Halogen)

Insulation Colour

● Red ● Black ● Blue ● Orange ○ White ● Yellow
● Green/Yellow ● Grey ● Brown ● Violet ● Pink

CABLE THIRD-PARTY ACCREDITATION



Cables are tested and accredited by BASEC,
The British Approvals Service for Cables

STANDARDS

EN 50525-3-41, EN 60228,

Flame Retardant according to IEC/EN 60332-1-2,
IEC/EN 60332-3-24

Halogen Free according to IEC/EN 61034-1/2,
IEC/EN 60754-1/2

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.



8578



FS 672069



EMS 672067



OHS 672066

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



Cca

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™.



KM ES0267





DIMENSIONS

ELAND PART NO.	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL THICKNESS OF INSULATION mm	NOMINAL OVERALL DIAMETER mm		MINIMUM RESISTANCE OF INSULATION AT 90°C Mohms/km	NOMINAL WEIGHT kg/km
			Lower Limit	Upper Limit		
A2Z*0005	0.5	0.6	2.1	2.6	0.015	8.7
A2Z*00075	0.75	0.6	2.2	2.8	0.011	11.3
A2Z*0010	1	0.6	2.4	2.9	0.01	13.9
A2Z*0015	1.5	0.7	2.8	3.5	0.010	19.3
A2Z*0025	2.5	0.8	3.4	4.3	0.009	30.9
A2Z*0040	4	0.8	3.9	4.9	0.007	44.9
A2Z*0060	6	0.8	4.4	5.5	0.006	64.2
A2Z*010	10	1	5.7	7.1	0.0056	108.2
A2Z*016	16	1	6.7	8.4	0.0046	163.4
A2Z*025	25	1.2	8.4	10.6	0.0044	248.1
A2Z*035	35	1.2	9.7	12.1	0.0038	340.6
A2Z*050	50	1.4	11.5	14.4	0.0037	484.2
A2Z*070	70	1.4	13.2	16.6	0.0032	671
A2Z*095	95	1.6	15.1	18.8	0.0032	895.8
A2Z*120	120	1.6	16.7	20.9	0.0029	1111.1
A2Z*150	150	1.8	18.6	23.3	0.0029	1389.2
A2Z*185	185	2	20.6	25.8	0.0029	1724.1
A2Z*240	240	2.2	23.5	29.4	0.0028	2225.4

* Designates the sheath colour. For each Eland Cables part number replace with the colour code as listed below: e.g. A2ZRD0015 = 1.5mm² Red

COLOUR CODES

COLOUR	Black	Blue	Grey	Green/ Yellow	Orange	Red	Pink	Yellow	Violet	Brown	White
CODE	BK	BL	GR	GY	OR	RD	PK	YW	VI	BR	WH

CONDUCTORS

Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR mm	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
		Plain Wires
0.5	0.21	39
0.75	0.21	26
1	0.21	19.5
1.5	0.26	13.3
2.5	0.26	7.98
4	0.31	4.95
6	0.31	3.3
10	0.41	1.91
16	0.41	1.21
25	0.41	0.78
35	0.41	0.554
50	0.41	0.386
70	0.51	0.272
95	0.51	0.206
120	0.51	0.161



NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR mm	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km	
		Plain Wires	
150	0.51	0.129	
185	0.51	0.106	
240	0.51	0.0801	

The above table is in accordance with EN 60228

ELECTRICAL CHARACTERISTICS

Current Carrying Capacity and Voltage Drop

NOMINAL CROSS SECTIONAL AREA mm ²	REFERENCE METHOD A (ENCLOSED IN CONDUIT IN THERMALLY INSULATING WALL ETC) Amps		REFERENCE METHOD B (ENCLOSED IN CONDUIT ON A WALL OR IN A TRUNKING ETC) Amps		REFERENCE METHOD C (CLIPPED DIRECT) Amps		REFERENCE METHOD F (IN FREE AIR OR ON A PERFORATED CABLE TRAY ETC HORIZONTAL OR VERTICAL ETC) TOUCHING Amps			REFERENCE METHOD G (IN FREE AIR) SPACED BY ONE CABLE DIAMETER Amps	
	2 Cables Single-Phase AC or DC	3 or 4 Cables Three-Phase AC	2 Cables Single-Phase AC or DC	3 or 4 Cables Three-Phase AC	2 Cables Single-Phase AC or DC flat or touching	3 or 4 Cables Three-Phase AC flat and touching or trefoil	2 Cables Single-Phase AC or DC flat	3 Cables Three-Phase AC flat	3 Cables Three-Phase AC trefoil	2 Cables Single-Phase AC or DC or 3 Cables Three-Phase AC flat	
										Horizontal	Vertical
1	14	13	17	15	19	17.5	-	-	-	-	-
1.5	19	17	23	20	25	23	-	-	-	-	-
2.5	26	23	31	28	34	31	-	-	-	-	-
4	35	31	42	37	46	41	-	-	-	-	-
6	45	40	54	48	59	54	-	-	-	-	-
10	61	54	75	66	81	74	-	-	-	-	-
16	81	73	100	88	109	99	-	-	-	-	-
25	106	95	133	117	143	130	161	141	135	182	161
35	131	117	164	144	176	161	200	176	169	226	201
50	158	141	198	175	228	209	242	216	207	275	246
70	200	179	253	222	293	268	310	279	268	353	318
95	241	216	306	269	355	326	377	342	328	430	389
120	278	249	354	312	413	379	437	400	383	500	454
150	318	285	393	342	476	436	504	464	444	577	527
185	362	324	449	384	545	500	575	533	510	661	605
240	424	380	528	450	644	590	679	634	607	781	719

Ambient temperature: 30°C

Conductor operating temperature: 90°C

1. Where a conductor operates at a temperature exceeding 70°C it must be ascertained that the equipment connected to the conductor is suitable for the conductor operating temperature (see also Regulation 512.1.2).

2. Where cables in this table are connected to equipment or accessories designed to operate at a temperature not exceeding 70°C, the current ratings given in the equivalent table for 70°C thermoplastic insulated cables (Table 4D1A) must be used (see Regulation 523.1).

The above table is in accordance with Table 4E1A of the 18th Edition of IEE Wiring Regulations BS7671 and IEC 60364-5-52.



VOLTAGE DROP

NOMINAL CROSS SECTIONAL AREA mm ²	2 CABLES DC mV/A/m	2 CABLES SINGLE-PHASE AC mV/A/m									3 OR 4 CABLES THREE-PHASE AC mV/A/m											
		Reference Methods A and B (enclosed in conduit or trunking)			Reference Methods C, F and G (clipped direct, on tray or in free air)						Reference Methods A and B (enclosed in conduit or trunking)			Reference Methods C, F and G (clipped direct, on tray or in free air)								
					Cable Touching			Cable Spaced						Cable Touching Trefoil		Cable Touching Flat		Cable Spaced* Flat				
1	46	46			46			46			40			40		40		40				
1.5	31	31			31			31			27			27		27		27				
2.5	19	19			19			19			16			16		16		16				
4	12	12			12			12			10			10		10		10				
6	7.9	7.9			7.9			7.9			6.8			6.8		6.8		6.8				
10	4.7	4.7			4.7			4.7			4			4		4		4				
16	2.9	2.9			2.9			2.9			2.5			2.5		2.5		2.5				
		r	x	z	r	x	z	r	x	z	r	x	z	r	x	z	r	x	z	r	x	z
25	1.85	1.850	0.310	1.900	1.850	0.190	1.85	1.850	0.280	1.850	1.600	0.270	1.650	1.600	0.165	1.600	1.600	0.190	1.600	1.600	0.270	1.650
35	1.35	1.350	0.290	1.350	1.350	0.180	1.35	1.350	0.270	1.350	1.150	0.250	1.150	1.150	0.155	1.150	1.150	0.180	1.150	1.150	0.260	1.200
50	0.99	1.000	0.290	1.050	0.990	0.180	1.000	0.990	0.270	1.000	0.870	0.250	0.900	0.860	0.155	0.870	0.860	0.180	0.870	0.860	0.260	0.890
70	0.68	0.700	0.280	0.750	0.680	0.175	0.710	0.680	0.260	0.730	0.600	0.240	0.650	0.590	0.150	0.610	0.590	0.175	0.620	0.590	0.250	0.650
95	0.49	0.510	0.270	0.580	0.490	0.170	0.520	0.490	0.260	0.560	0.440	0.230	0.500	0.430	0.145	0.450	0.430	0.170	0.460	0.430	0.250	0.490
120	0.39	0.410	0.260	0.480	0.390	0.165	0.430	0.390	0.250	0.470	0.350	0.230	0.420	0.340	0.140	0.370	0.340	0.165	0.380	0.340	0.240	0.420

Conductor operating temperature: 90°C

r = Resistive Component
x = Reactive Component
z = Impedance Value

* Spacings larger than one cable diameter will result in a larger voltage drop.

The above table is in accordance with Table 4E1B of the 18th Edition of IEE Wiring Regulations BS7671 and IEC 60364-5-52.

For cables having conductors of 16mm² or less cross-sectional area their inductances can be ignored and (mV/A/m)r values only are tabulated. For cables having conductors greater than 16mm², cross-sectional area the impedance values are given as (mV/A/m)z, together with the resistive component (mV/A/m)r and the reactive component (mV/A/m)x.

The above paragraph is extracted from Appendix 4 of the 18th Edition of IEE Wiring Regulations BS7671 and IEC 60364-5-52.

DE-RATING FACTORS

AMBIENT TEMPERATURE	25°C	30°C	35°C	40°C	45°C	50°C	55°C	60°C	65°C	70°C	85°C	90°C	95°C
DE-RATING FACTOR	1.02	1.00	0.96	0.91	0.87	0.82	0.76	0.71	0.65	0.58	-	-	-

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.

6491B / H07Z-R / EN 50525-3-41 Cable



Eland Product Group: A3Z

APPLICATION

Suitable for use in conduit and for fixed, protected installation. For installations where fire, smoke emission and toxic fume create a potential risk to life and equipment.

CHARACTERISTICS

Voltage Rating Uo/U
450/750V

Temperature Rating
Fixed: 0°C to +90°C

Minimum Bending Radius
6 x overall diameter

CONSTRUCTION

Conductor
Class 2 stranded copper conductor)

Insulation
LSZH (Low Smoke Zero Halogen)

Insulation Colour
 ● Red ● Black ● Blue ● Yellow ● Orange ○ White
 ● Green/Yellow ● Grey ● Brown ● Violet ● Pink

CABLE THIRD-PARTY ACCREDITATION



Cables are tested and accredited by BASEC, The British Approvals Service for Cables

STANDARDS

EN 50525-3-41, EN 60228

Flame Retardant according to IEC/EN 60332-1-2
Halogen Free according to IEC/EN 61034-1/2, IEC/EN 60754-1/2

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.



8578



FS 672069



EMS 672067



OHS 672066

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



Cca

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™.



KM 634267





DIMENSIONS

ELAND PART NO.	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL THICKNESS OF INSULATION mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A3Z6491B015*	1.5	0.7	3.4	22
A3Z6491B025*	2.5	0.8	4.1	35
A3Z6491B040*	4	0.8	4.7	50
A3Z6491B060*	6	0.8	5.4	72
A3Z6491B10*	10	1	6.8	121
A3Z6491B16*	16	1	8	182
A3Z6491B25*	25	1.2	9.8	285
A3Z6491B35*	35	1.2	11	390
A3Z6491B50*	50	1.4	13.2	510
A3Z6491B70*	70	1.4	15.1	710
A3Z6491B95*	95	1.6	17	980
A3Z6491B120*	120	1.6	19	1220
A3Z6491B150*	150	1.8	21	1500
A3Z6491B185*	185	2	23.5	1910
A3Z6491B240*	240	2.2	26.5	2490
A3Z6491B300*	300	2.4	29.5	3100
A3Z6491B400*	400	2.6	33.5	3950
A3Z6491B500*	500	2.8	37	5000
A3Z6491B630*	630	2.8	41	6350

* Designates the sheath colour. For each Eland Cables part number replace with the colour code as below e.g. A3Z6491B040BR = 4mm² Brown

COLOUR CODES

COLOUR	Black	Blue	Grey	Green/ Yellow	Orange	Red	Pink	Yellow	Violet	Brown	White
CODE	BK	BL	GR	GY	OR	RD	PK	YW	VI	BR	WH

CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm ²	MINIMUM NO. OF WIRES IN CONDUCTOR mm						MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km	
	Circular		Circular Compacted		Shaped			Annealed Copper Conductor Plain Wires
	Cu	Al	Cu	Al	Cu	Al		
1.5	7	-	6	-	-	-	12.1	
2.5	7	-	6	-	-	-	7.41	
4	7	-	6	-	-	-	4.61	
6	7	-	6	-	-	-	3.08	
10	7	7	6	6	-	-	1.83	
16	7	7	6	6	-	-	1.15	
25	7	7	6	6	6	6	0.727	
35	7	7	6	6	6	6	0.524	
50	19	19	6	6	6	6	0.387	
70	19	19	12	12	12	12	0.268	
95	19	19	15	15	15	15	0.193	
120	37	37	18	15	18	15	0.153	
150	37	37	18	15	18	15	0.124	
185	37	37	30	30	30	30	0.0991	
240	37	37	34	30	34	30	0.0754	



Click here for more information:

elandcables.com | [6491B / H07Z-R EN 50525-3-41 Cable](#)



NOMINAL CROSS SECTIONAL AREA mm ²	MINIMUM NO. OF WIRES IN CONDUCTOR mm						MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
	Circular		Circular Compacted		Shaped		Annealed Copper Conductor
	Cu	Al	Cu	Al	Cu	Al	Plain Wires
300	61	61	34	30	34	30	0.0601
400	61	61	53	53	53	53	0.047
500	61	61	53	53	53	53	0.0366
600	91	91	53	53	53	53	0.0283

The above table is in accordance with EN 60228

ELECTRICAL CHARACTERISTICS

Current Carrying Capacity

NOMINAL CROSS SECTIONAL AREA mm ²	REFERENCE METHOD A (ENCLOSED IN CONDUIT IN THERMALLY INSULATING WALL ETC) Amps		REFERENCE METHOD B (ENCLOSED IN CONDUIT IN WALL OR IN TRUNKING ETC) Amps		REFERENCE METHOD C (CLIPPED DIRECT) Amps		REFERENCE METHOD F IN FREE AIR OR ON A PERFORATED CABLE TRAY ETC HORIZONTAL OR VERTICAL ETC TOUCHING Amps			REFERENCE METHOD G IN FREE AIR) SPACED 1 x OD Amps	
	2 Cables Single-Phase AC or DC	3 or 4 Cables Three-Phase AC	2 Cables Single-Phase AC or DC	3 or 4 Cables Three-Phase AC	2 Cables Single-Phase AC or DC	3 or 4 Cables Three-Phase AC	2 Cables Single-Phase AC or DC	3 Cables Three-Phase AC		Horizontal	Vertical
								Flat	Trefoil		
1.5	19	17	23	20	25	23	-	-	-	-	-
2.5	26	23	31	28	34	31	-	-	-	-	-
4	35	31	42	37	46	41	-	-	-	-	-
6	45	40	54	48	59	54	-	-	-	-	-
10	61	54	75	66	81	74	-	-	-	-	-
16	81	73	100	88	109	99	-	-	-	-	-
25	106	95	133	117	143	130	161	141	135	182	161
35	131	117	164	144	176	161	200	176	169	226	201
50	158	141	198	175	228	209	242	216	207	275	246
70	200	179	253	222	293	268	310	279	268	353	318
95	241	216	306	269	355	326	377	342	328	430	389
120	278	249	354	312	413	379	437	400	383	500	454
150	318	285	393	342	476	436	504	464	444	577	527
185	362	324	449	384	545	500	575	533	510	661	605
240	424	380	528	450	644	590	679	634	607	781	719
300	486	435	603	514	743	681	783	736	703	902	833
400	-	-	683	584	868	793	940	868	823	1085	1008
500	-	-	783	666	990	904	1083	998	946	1253	1169
630	-	-	900	764	1130	1033	1254	1151	1088	1454	1362

Ambient temperature: 30°C

Conductor operating temperature: 90°C

Notes

- Where a conductor operates at a temperature exceeding 70°C it must be ascertained that the equipment connected to the conductor is suitable for the conductor operating temperature (see Regulations 512.1.2 of the 18th Edition of IEE Wiring Regulations BS7671 and IEC 60364-5-52).
- Where cables in this table are connected to equipment or accessories designed to operate at a temperature not exceeding 70°C, the current ratings given in the equivalent table for 70°C thermoplastic insulated cables (Table 4D1A) MUST BE USED (See Regulation 523.1 of the 18th Edition of IEE Wiring Regulations BS7671 and IEC 60364-5-52.)

The above table is in accordance with Table 4E1A from the 18th Edition of IEE Wiring Regulations BS7671 and IEC 60364-5-52.



VOLTAGE DROP

NOMINAL CROSS SECTIONAL AREA mm ²	2 CABLES DC mV/A/m	2 CABLES SINGLE-PHASE AC mV/A/m									REFERENCE METHODS C, F AND G mV/A/m											
		Reference Methods A and B enclosed in conduit or trunking)			Reference Methods C, F and G (clipped direct, on tray or in free air)						Reference Methods A and B enclosed in conduit or trunking)			Reference Methods C, F and G (clipped direct, on tray or in free air)								
					Cables Touching			Cables Spaced*						Cables touching, Trefoil		Cables touching, Flat		Cables spaced*, Flat				
1.5	31	31			31						27			27		27		27				
2.5	19	19			19						16			16		16		16				
4	12	12			12						10			10		10		10				
6	7.9	7.9			7.9						6.8			6.8		6.8		6.8				
10	4.7	4.7			4.7						4			4		4		4				
16	2.9	2.9			2.9						2.5			2.5		2.5		2.5				
		r	x	z	r	x	z	r	x	z	r	x	z	r	x	z	r	x	z	r	x	z
25	1.85	1.85	0.31	1.90	1.85	0.19	1.85	1.85	0.28	1.85	1.60	0.27	1.65	1.60	0.165	1.60	1.60	0.19	1.60	1.60	0.27	1.65
35	1.35	1.35	0.29	1.35	1.35	0.18	1.35	1.35	0.27	1.35	1.15	0.25	1.15	1.15	0.155	1.15	1.15	0.18	1.15	1.15	0.26	1.20
50	0.99	1.00	0.29	1.05	0.99	0.18	1.00	0.99	0.27	1.00	0.87	0.25	0.90	0.86	0.155	0.87	0.86	0.18	0.87	0.86	0.26	0.89
70	0.68	0.70	0.28	0.75	0.68	0.175	0.71	0.68	0.26	0.73	0.60	0.24	0.65	0.59	0.15	0.61	0.59	0.175	0.62	0.59	0.25	0.65
95	0.49	0.51	0.27	0.58	0.49	0.17	0.52	0.49	0.26	0.56	0.44	0.23	0.50	0.43	0.145	0.45	0.43	0.17	0.46	0.43	0.25	0.49
120	0.39	0.41	0.26	0.48	0.39	0.165	0.43	0.39	0.25	0.47	0.35	0.23	0.42	0.34	0.14	0.37	0.34	0.165	0.38	0.34	0.24	0.42
150	0.32	0.33	0.26	0.43	0.32	0.165	0.36	0.32	0.25	0.41	0.29	0.23	0.37	0.28	0.14	0.31	0.28	0.165	0.32	0.28	0.24	0.37
185	0.25	0.27	0.26	0.37	0.26	0.165	0.30	0.25	0.25	0.36	0.23	0.23	0.32	0.22	0.14	0.26	0.22	0.165	0.28	0.22	0.24	0.33
240	0.19	0.21	0.26	0.33	0.20	0.16	0.25	0.195	0.25	0.31	0.185	0.22	0.29	0.17	0.14	0.22	0.17	0.165	0.24	0.17	0.24	0.29
300	0.155	0.175	0.25	0.31	0.16	0.16	0.22	0.155	0.25	0.29	0.15	0.22	0.27	0.14	0.14	0.195	0.135	0.16	0.21	0.135	0.24	0.27
400	0.12	0.14	0.25	0.29	0.13	0.155	0.20	0.125	0.24	0.27	0.125	0.22	0.25	0.11	0.135	0.175	0.11	0.16	0.195	0.11	0.24	0.26
500	0.093	0.12	0.25	0.28	0.105	0.155	0.185	0.098	0.24	0.26	0.10	0.22	0.24	0.09	0.135	0.16	0.088	0.16	0.18	0.085	0.24	0.25
630	0.072	0.10	0.25	0.27	0.086	0.155	0.175	0.078	0.24	0.25	0.088	0.21	0.23	0.074	0.135	0.15	0.071	0.16	0.17	0.068	0.23	0.24

Conductor Operating Temperature: 90°C

r = Resistive Component

x = Reactive Component

z = Impedance Value

* Spacings larger than those specified in Method 12 (see table 4A of the 18th Edition of IEE Wiring Regulations BS7671 and IEC 60364-5-52.) will result in larger volt drop.

The above table is in accordance with Table 4E1B from the 18th Edition of IEE Wiring Regulations BS7671 and IEC 60364-5-52.

DE-RATING FACTORS

For Ambient Air Temperatures other than 30°C

AMBIENT TEMPERATURE	30°C	35°C	40°C	45°C	50°C	55°C	60°C	65°C	70°C
DE-RATING FACTOR	1.00	0.96	0.91	0.87	0.82	0.76	0.71	0.65	0.58

The above table is in accordance with Table 4B1 of the 18th Edition of IEE Wiring Regulations BS7671 and IEC 60364-5-52.

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.



H07ZZ-F EN 50525-3-21 LSZH Rubber Flexible Cable



Eland Product Group: A6Z

APPLICATION

For installation where fire, smoke emission and toxic fumes create a potential threat to life and equipment. Examples of use include supplying mobile power units, UPS installations, stage lighting and audio visual equipment. This cable will withstand medium mechanical stresses and is suitable for both installation indoors and outdoors

CHARACTERISTICS

Voltage Rating U_o/U
450/750V

Temperature Rating
Fixed: -20°C to +90°C
Flexed: -5°C to +50°C

Minimum Bending Radius
Fixed: 4 x overall diameter
Flexed: 6 x overall diameter

CONSTRUCTION

Conductor
Class 5 flexible copper conductor

Insulation
LSZH (Low Smoke Zero Halogen) cross-linked compound

Sheath
LSZH (Low Smoke Zero Halogen) cross-linked compound

Core Identification
1 core: ● Black
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
6 core and above: ● Black with ○ White numbers
● Green/Yellow

Sheath Colour
● Black

*Note: Sizes from 5x35mm² are not harmonised (07ZZ-F)

BSI KITEMARK™ TESTED



Cables are tested and verified by The Cable Lab[®] to confirm they meet the quality standards required of the BSI Cable Testing Verification Kitemark™.

STANDARDS

EN 50525-3-21, HD 22-13, CEI 20-19 Part 13, EN 60228

Flame Retardant according to IEC/EN 60332-3-10

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECCE 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



SCIENCE
BASED
TARGETS

**BUSINESS
AMBITION FOR 1.5°C**



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



Cca

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™. HAR approved.





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	A2 GLANDS Brass	A2PL GLAND Plastic
A6Z10015	1	1.5	6.4	63	-	-
A6Z10025	1	2.5	7.1	76	-	-
A6Z1004	1	4	8.1	107	20S	20
A6Z1006	1	6	8.85	140	20S	20
A6Z1010	1	10	10.7	213	20S	20
A6Z1016	1	16	12.1	291	20	25
A6Z1025	1	25	14.25	415	25	25
A6Z1035	1	35	16.1	539	25	25
A6Z1050	1	50	18.55	740	25	32
A6Z1070	1	70	20.95	989	32	32
A6Z1095	1	95	23.4	1290	32	40
A6Z1120	1	120	25.7	1592	40	40
A6Z1150	1	150	28.3	1957	40	40
A6Z1185	1	185	31	2350	50S	50
A6Z1240	1	240	34.45	3099	50	63
A6Z1300	1	300	37.7	3687	50	-
A6Z1400	1	400	42.1	4850	63S	-
A6Z1500	1	500	46.65	5998	63	-
A6Z02010	2	1	8.85	112	-	-
A6Z02015	2	1.5	9.75	135	20S	20
A6Z02025	2	2.5	11.65	190	20	25
A6Z02004	2	4	13.45	255	25	-
A6Z02060	2	6	14.95	335	25	-
A6Z0210	2	10	20.15	590	32	-
A6Z0216	2	16	22.95	821	32	-
A6Z0225	2	25	27.5	1172	40	-
A6Z03010	3	1	9.5	125	-	-
A6Z03015	3	1.5	10.55	129	20	20
A6Z03025	3	2.5	12.45	250	25	25
A6Z03040	3	4	14.45	330	25	-
A6Z03060	3	6	16.05	440	25	-
A6Z0310	3	10	21.65	800	32	-
A6Z0316	3	16	24.7	1150	40	-
A6Z0325	3	25	29.55	1680	50S	-
A6Z0335	3	35	33.2	2170	50S	-
A6Z04010	4	1	10.55	170	20S	-
A6Z04015	4	1.5	11.65	196	20	25
A6Z04025	4	2.5	13.8	275	25	25
A6Z04040	4	4	15.95	388	25	25
A6Z04060	4	6	17.85	515	32	32
A6Z0410	4	10	23.7	882	40	40
A6Z0416	4	16	26.95	1234	40	40
A6Z0425	4	25	32.75	1811	50S	50
A6Z0435	4	35	36.8	2365	50	63
A6Z0450	4	50	42.6	3212	63S	-
A6Z0470	4	70	48.35	4320	63	-
A6Z0495	4	95	54.7	5572	73S	-



Click here for more information

elandcables.com | [H07ZZ-F BS EN 50525-3-21 LSZH Rubber Flexible Cable](#)

ELAND
CABLES

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	A2 GLANDS Brass	A2PL GLAND Plastic
A6Z04120	4	120	59.5	6930	75	-
A6Z04150	4	150	65.5	8419	-	-
A6Z04185	4	185	72	10165	-	-
A6Z04240	4	240	81.5	13420	-	-
A6Z05010	5	1	11.65	205	20	-
A6Z05015	5	1.5	12.8	242	25	25
A6Z05025	5	2.5	15.15	341	25	25
A6Z05040	5	4	17.75	495	32	32
A6Z05060	5	6	19.85	642	32	32
A6Z0510	5	10	26	1090	40	40
A6Z0516	5	16	29.85	1534	50S	50
A6Z0525	5	25	36.2	2291	50	63
A6Z0535	5	35	39.5	2700	-	-
A6Z0550	5	50	44.2	3730	63S	-
A6Z0570	5	70	50.4	5022	-	-
A6Z0595	5	95	56.2	6520	-	-
A6Z05120	5	120	64.1	8080	-	-
A6Z05150	5	150	70.1	8660	-	-
A6Z07015	7	1.5	16.7	355	25	32
A6Z12015	12	1.5	20	660	32	32
A6Z19015	19	1.5	27.5	788	40	40
A6Z27015	27	1.5	31.5	1077	40	40
A6Z37015	37	1.5	36.5	1358	50S	50

CONDUCTORS

Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR mm	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
		Plain Wires
1	0.21	19.5
1.5	0.26	13.3
2.5	0.26	7.98
4	0.31	4.95
6	0.31	3.3
10	0.41	1.91
16	0.41	1.21
25	0.41	0.78
35	0.41	0.554
50	0.41	0.386
70	0.51	0.272
95	0.51	0.206
120	0.51	0.161
150	0.51	0.129
185	0.51	0.106
240	0.51	0.0801
300	0.51	0.0641
400	0.51	0.0486
500	0.61	0.0384

The above table is in accordance with EN 60228



ELECTRICAL CHARACTERISTICS (1mm² to 2.5mm²)

Current Carrying Capacity and Mass Supportable

NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITY Amps		MAXIMUM MASS SUPPORTABLE BY TWIN FLEXIBLE CABLE (See Regulations 522.7.2 and 559.6.1.5 of the 17th Edition of IEE Wiring Regulations) kg
	Single-Phase AC	Three-Phase AC	
1	10	10	5
1.5	16	16	5
2.5	25	20	5

Voltage Drop

NOMINAL CROSS SECTIONAL AREA mm ²	DC OR SINGLE-PHASE AC mV/A/m	THREE-PHASE AC mV/A/m
1	46	40
1.5	32	27
2.5	19	16

The above table is in accordance with Table 4F3B of the 18th Edition of IEE Wiring Regulations BS7671 and IEC 60364-5-52

Conductor operating temperature: 60°C*

Note

*The tabulated values above are for 60°C thermoplastic or thermosetting insulated flexible cables and for other types of flexible cable they are to be multiplied by the following factors:

For	90°C thermoplastic or thermosetting insulated	1.09
	150°C	1.31
	185°C glass fibre	1.43

ELECTRICAL CHARACTERISTICS (4mm² and above)

Current Carrying Capacity

NOMINAL CROSS SECTIONAL AREA mm ²	DC OR SINGLE-PHASE AC (1 TWO CORE CABLE WITH OR WITHOUT PROTECTIVE CONDUCTOR)	THREE-PHASE AC (1 THREE CORE, FOUR CORE OR FIVE CORE CABLE)	SINGLE-PHASE AC OR DC (2 SINGLE CORE CABLES TOUCHING)
	Amps	Amps	Amps
4	42	37	-
6	55	49	-
10	76	66	-
16	103	89	-
25	136	119	-
35	-	146	200
50	-	177	250
70	-	225	310
95	-	273	369
120	-	316	432
150	-	363	497
185	-	414	564
240	-	487	673
300	-	560	773
400	-	-	924
500	-	-	1062

The above table is in accordance with Table 4F2A of the 18th Edition of IEE Wiring Regulations BS7671 and IEC 60364-5-52

Ambient temperature: 30°C

Conductor operating temperature: 90°C

N2XH 0.6/1kV Cable



CHARACTERISTICS

Nominal Voltage

0.6/1kV

Test Voltage

3.5kV

Temperature Range

Fixed: -40°C to +90°C

Flexible: -5°C to +90°C

Max. Continuous operation temperature of conductors: +90°C

Max. Conductor temperature during short circuit: +250°C

Minimum Bending Radius

10 x Overall Diameter

CONSTRUCTION

Conductor

Class 1,2 or 5 Solid, Stranded or Fine Stranded Annealed

Copper Conductor

Insulation

XLPE (Cross-Linked Polyethylene)

Bedding

LSZH (Low Smoke Zero Halogen) Compound

Outer Sheath

LSZH (Low Smoke Zero Halogen) Compound ST8

Outer Sheath Colour

● Black

STANDARDS

IEC 60502-1, IEC 60332-1, IEC 60332-3-22, IEC 60754-1, VDE 0482 P267-2-1, EN50267-2-1, IEC 60754-2, VDE 0482 P267-2-2, DIN EN 50267-2-2, IEC 61034-1/-2, VDE 0482 P268-1/-2, DIN EN 50268-1/-2, IEC 60331, ISO 4892-2 / ISO 4892-3, ASTM NO: 2 (4 hours 70°C), NF-M87-202

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECCE 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 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 AND ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR TYPE	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	MAXIMUM CONDUCTOR RESISTANCE DC AT 20°C ohm/km
1	1.5	re	5	38	12.1
1	2.5	re	5.4	49	7.41
1	4	re	5.8	66	4.61
1	6	re	6.3	87	3.08
1	10	re	7.1	127	1.83
1	1.5	rm	5.1	40	12.1
1	2.5	rm	5.6	51	7.41
1	4	rm	6.1	68	4.61
1	6	rm	6.6	89	3.08
1	10	rm	7.5	130	1.83
1	16	rm	8.4	188	1.15
1	25	rm	10	284	0.727
1	35	rm	11.1	378	0.524
1	50	rm	12.5	500	0.387
1	70	rm	14.4	704	0.268
1	95	rm	16.3	952	0.193
1	120	rm	18	1192	0.153
1	150	rm	20	1473	0.124
1	185	rm	22.2	1826	0.0991
1	240	rm	24.8	2368	0.0754
1	300	rm	27.7	2944	0.0601
2	1.5	re	8.8	112	12.1
2	2.5	re	9.5	142	7.41
2	4	re	10.4	185	4.61
2	6	re	11.6	246	3.08
2	10	re	13.2	350	1.83
2	1.5	rm	9.1	118	12.1
2	2.5	rm	10	151	7.41
2	4	rm	11.2	204	4.61
2	6	rm	12.3	261	3.08
2	10	rm	14.4	386	1.83
2	16	rm	16.1	536	1.15
2	25	rm	19.6	813	0.727
2	35	rm	21.8	1062	0.524
2	50	rm	25	1418	0.387
2	70	rm	28.8	1964	0.268
2	95	rm	32.6	2616	0.193
2	120	rm	36.2	3270	0.153
2	150	rm	40	4018	0.124
2	185	rm	44.2	4951	0.0991
2	240	rm	50	6437	0.0754
2	300	rm	56.2	8061	0.0601
3	1.5	re	9.2	128	12.1
3	2.5	re	10	168	7.41
3	4	re	11.2	230	4.61
3	6	re	12.3	303	3.08
3	10	re	14.3	455	1.83
3	1.5	rm	9.5	136	12.1
3	2.5	rm	10.5	177	7.41

DIMENSIONS AND ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR TYPE	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	MAXIMUM CONDUCTOR RESISTANCE DC AT 20°C ohm/km
3	4	rm	11.8	243	4.61
3	6	rm	13	317	3.08
3	10	rm	15.2	477	1.83
3	16	rm	17.1	676	1.15
3	25	rm	20.8	1033	0.727
3	35	rm	23.2	1362	0.524
3	50	rm	26.6	1824	0.387
3	70	rm	31	2562	0.268
3	95	rm	34.8	3413	0.193
3	120	rm	38.7	4278	0.153
3	150	rm	43	5286	0.124
3	185	rm	47.7	6544	0.0991
3	240	rm	53.7	8490	0.0754
3	300	rm	60.2	10591	0.0601
4	1.5	re	9.9	151	12.1
4	2.5	re	11	207	7.41
4	4	re	12.1	278	4.61
4	6	re	13.3	370	3.08
4	10	re	15.6	562	1.83
4	1.5	rm	10.3	160	12.1
4	2.5	rm	11.6	217	7.41
4	4	rm	12.8	293	4.61
4	6	rm	14.5	401	3.08
4	10	rm	16.6	586	1.83
4	16	rm	18.9	850	1.15
4	25	rm	22.9	1289	0.727
4	35	rm	25.9	1737	0.524
4	50	rm	29.5	2307	0.387
4	70	rm	34.3	3248	0.268
4	95	rm	38.6	4340	0.193
4	120	rm	43.2	5467	0.153
4	150	rm	47.9	6751	0.124
4	185	rm	53.1	8354	0.0991
4	240	rm	59.6	10818	0.0754
4	300	rm	67.5	13597	0.0601
5	1.5	rm	11.3	196	12.1
5	2.5	rm	12.5	260	7.41
5	4	rm	14.3	369	4.61
5	6	rm	15.8	486	3.08
5	10	rm	18.3	724	1.83
5	1.5	re	10.7	180	12.1
5	2.5	re	11.9	247	7.41
5	4	re	13.1	335	4.61
5	6	re	14.9	466	3.08
5	10	re	17	686	1.83
5	16	rm	20.7	1041	1.15
5	25	rm	25.5	1615	0.727
5	35	rm	28.4	2142	0.524
5	50	rm	32.6	2866	0.387

DIMENSIONS AND ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR TYPE	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	MAXIMUM CONDUCTOR RESISTANCE DC AT 20°C ohm/km
5	70	rm	37.9	4041	0.268
5	95	rm	42.9	5426	0.193
5	120	rm	47.9	6833	0.153
5	150	rm	53.2	8433	0.124
5	185	rm	58.8	10404	0.0991
5	240	rm	66.6	13585	0.0754
6	1.5	re	11.7	222	12.1
6	2.5	re	12.9	298	7.41
7	1.5	re	11.7	220	12.1
7	2.5	re	12.9	300	7.41
8	1.5	re	12.7	260	12.1
8	2.5	re	14.4	369	7.41
9	1.5	re	14.3	333	12.1
9	2.5	re	15.8	449	7.41
10	1.5	re	14.9	352	12.1
10	2.5	re	16.4	477	7.41
12	1.5	re	15.3	382	12.1
12	2.5	re	16.9	524	7.41
14	1.5	re	16	425	12.1
14	2.5	re	17.9	597	7.41
19	1.5	re	17.9	544	12.1
19	2.5	re	19.8	759	7.41
20	1.5	re	18.8	595	12.1
20	2.5	re	20.8	828	7.41
21	1.5	re	18.8	603	12.1
21	2.5	re	20.8	842	7.41
24	1.5	re	20.7	721	12.1
24	2.5	re	22.9	1005	7.41
27	1.5	re	21.1	766	12.1
27	2.5	re	23.4	1076	7.41
30	1.5	re	21.8	828	12.1
30	2.5	re	24.6	1195	7.41
37	1.5	re	23.4	977	12.1
37	2.5	re	26.5	1417	7.41
40	1.5	re	24.7	1083	12.1
40	2.5	re	27.5	1533	7.41
6	1.5	rm	12.2	235	12.1
6	2.5	rm	13.5	314	7.41
7	1.5	rm	12.2	232	12.1
7	2.5	rm	13.5	313	7.41
8	1.5	rm	13.2	275	12.1
8	2.5	rm	15.1	387	7.41
9	1.5	rm	14.9	354	12.1
9	2.5	rm	16.6	475	7.41
10	1.5	rm	15.5	374	12.1
10	2.5	rm	17.5	513	7.41
12	1.5	rm	16	405	12.1
12	2.5	rm	18.1	560	7.41
14	1.5	rm	16.7	451	12.1

DIMENSIONS AND ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR TYPE	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	MAXIMUM CONDUCTOR RESISTANCE DC AT 20°C ohm/km
14	2.5	rm	18.9	626	7.41
19	1.5	rm	18.7	576	12.1
19	2.5	rm	20.9	793	7.41
20	1.5	rm	19.6	632	12.1
20	2.5	rm	22	869	7.41
21	1.5	rm	19.6	639	12.1
21	2.5	rm	22	882	7.41
24	1.5	rm	21.6	766	12.1
24	2.5	rm	24.7	1084	7.41
27	1.5	rm	22	813	12.1
27	2.5	rm	25.2	1155	7.41
30	1.5	rm	22.8	879	12.1
30	2.5	rm	26.1	1252	7.41
37	1.5	rm	24.9	1063	12.1
37	2.5	rm	28.1	1483	7.41
40	1.5	rm	25.9	1149	12.1
40	2.5	rm	29.2	1605	7.41
2	10 + 6	rm	15.2	452	1.83/3.08
2	16 + 10	rm	17.1	637	1.15/1.83
2	25 + 16	rm	20.8	978	0.727/1.15
2	35 + 25	rm	23.2	1248	0.524/1.15
2	35 + 25	rm	23.2	1299	0.524/0.727
2	50 + 25	rm	26.6	1687	0.387/0.727
2	70 + 35	rm	30.8	2341	0.268/0.524
2	95 + 50	rm	34.6	3099	0.193/0.387
2	120 + 70	rm	38.7	3954	0.153/0.268
2	150 + 70	rm	43	4794	0.124/0.268
2	185 + 95	rm	47.5	5972	0.0991/0.193
2	240 + 120	rm	53.5	7708	0.0754/0.153
2	300 + 150	rm	60	9625	0.0601/0.124
3	6 + 4	rm	14.5	389	3.08/4.61
3	10 + 6	rm	16.5	556	1.83/3.08
3	16 + 10	rm	18.7	800	1.15/1.83
3	25 + 16	rm	22.5	1214	0.727/1.15
3	25 + 2 x 16	rm	25.2	1477	0.727/1.15
3	35 + 16	rm	25.6	1604	0.524/1.15
3	35 + 25	rm	26.4	1707	0.524/0.727
3	35 + 2 x 16	rm	27.9	1861	0.524/1.15
3	35 + 2 x 25	rm	29.4	2078	0.524/0.727
3	50 + 25	rm	28.4	2089	0.387/0.727
3	50 + 2 x 25	rm	32.1	2531	0.387/0.727
3	70 + 35	rm	33.1	2941	0.268/0.524
3	70 + 2 x 35	rm	37.8	3595	0.268/0.524
3	95 + 35	rm	39.8	4109	0.193/0.524
3	95 + 50	rm	38	3986	0.193/0.387
3	95 + 70	rm	39	4211	0.193/0.268
3	95 + 2 x 50	rm	42.9	4802	0.193/0.387
3	120 + 70	rm	42.9	5122	0.153/0.268
3	120 + 2 x 70	rm	46.6	5980	0.153/0.268

DIMENSIONS AND ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR TYPE	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	MAXIMUM CONDUCTOR RESISTANCE DC AT 20°C ohm/km
3	150 + 70	rm	47.1	6173	0.124/0.268
3	150 + 95	rm	47.3	6350	0.124/0.193
3	150 + 2 x 70	rm	51.8	7222	0.124/0.268
3	185 + 95	rm	52	7664	0.0991/0.193
3	185 + 2 x 95	rm	58.2	9176	0.0991/0.193
3	240 + 120	rm	58.4	9889	0.0754/0.153
3	240 + 150	rm	58.9	10124	0.0754/0.124
3	240 + 2 x 120	rm	64.8	11716	0.0754/0.153
3	300 + 150	rm	67	12611	0.0601/0.124
3	300 + 185	rm	65.5	12545	0.0601/0.0991
4	10 + 6	rm	18.5	708	1.83/3.08
4	16 + 10	rm	21.2	1033	1.15/1.83
4	25 + 10	rm	25.4	1521	0.727/1.83
4	25 + 16	rm	25.9	1588	0.727/1.15
4	35 + 16	rm	28.5	2035	0.524/1.15
4	35 + 25	rm	29.2	2138	0.524/0.727
4	50 + 25	rm	33	2770	0.387/0.727
4	70 + 16	rm	36.8	3565	0.268/1.15
4	70 + 35	rm	38	3844	0.268/0.524
4	70 + 50	rm	38.5	3966	0.268/0.387
4	95 + 25	rm	42.4	4865	0.193/0.727
4	95 + 50	rm	42.9	5126	0.193/0.387
4	120 + 70	rm	48.8	6628	0.153/0.268
4	150 + 70	rm	53	7924	0.124/ 0.268
4	185 + 95	rm	59.4	9959	0.0991/0.193
4	185 + 120	rm	59.4	10108	0.0991/0.153
4	240 + 35	rm	61.4	11345	0.0754/0.524
4	240 + 120	rm	67	12919	0.0754/0.153

N2XH IEC 60502-1 XLPE FRNC 0.6/1kV Cable



Eland Product Group: A5N

APPLICATION

These power cables are used for electricity supply in low voltage installation system. They are well adapted to underground use in industrial applications with an additional mechanical protection. These cables can be fixed on cable trays, within conduits or fixed to walls.

CHARACTERISTICS

Voltage Rating Uo/U
0.6/1kV

Temperature Rating
Fixed: -30°C to +90°C

Minimum Bending Radius
During Installation: 15 x overall diameter
Fixed: 10 x overall diameter

CONSTRUCTION

Conductor
Up to 16mm²: Class 1 solid copper conductor
Above 16mm²: Class 2 stranded copper conductor

Insulation
XLPE (Cross-Linked Polyethylene)

Sheath
LSZH (Low Smoke Zero Halogen)

Core Identification

- 1 core: ● Black
- 2 core: ● Blue ● Brown
- 3 core: ● Black ● Brown ● Grey
- 3 core including earth: ● Green/Yellow ● Blue ● Brown
- 3 core + reduced E: ● Blue ● Brown ● Black ● Grey
- 4 core: ● Blue ● Brown ● Black ● Grey
- 4 core including earth: ● Green/Yellow ● Brown ● Black ● Grey
- 5 core: ● Blue ● Brown ● Black ● Grey ● Black
- 5 core including earth: ● Green/Yellow ● Blue ● Brown ● Black ● Grey

Sheath Colour
● Black

STANDARDS

VDE0276 Part 604, IEC 60502-1, IEC/EN 60332-3-24 Cat. C, IEC/EN 60228, EN 62230

In accordance with the installation standard IEC 60364 and as applicable to the equivalent National Codes for the rules for design, erection and verification of electrical installations, DIN VDE 0100, CEI 20-60, NEN 1010 and NF C15-100.

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 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 THICKNESS OF INSULATION mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A5N2XH010015	1	1.5	RE	0.7	7	60
A5N2XH010025	1	2.5	RE	0.7	8	75
A5N2XH010040	1	4	RE	0.7	9	90
A5N2XH010060	1	6	RE	0.7	10	115
A5N2XH01010	1	10	RE	0.7	11	165
A5N2XH01016	1	16	RE	0.7	8.6	230
A5N2XH01025	1	25	RM	0.9	11.1	340
A5N2XH01035	1	35	RM	0.9	12	440
A5N2XH01050	1	50	RM	1	12.5	570
A5N2XH01070	1	70	RM	1.1	15	795
A5N2XH01095	1	95	RM	1.1	17	1055
A5N2XH01120	1	120	RM	1.3	17.65	1315
A5N2XH01150	1	150	RM	1.4	21	1600
A5N2XH01185	1	185	RM	1.6	23	1975
A5N2XH01240	1	240	RM	1.7	24.4	2525
A5N2XH01300	1	300	RM	1.8	26	3150
A5N2XH02015	2	1.5	RE	0.7	12	125
A5N2XH02025	2	2.5	RE	0.7	12.1	155
A5N2XH02040	2	4	RE	0.7	13	195
A5N2XH02060	2	6	RE	0.7	14	295
A5N2XH0210	2	10	RE	0.7	16	390
A5N2XH0216	2	16	RE	0.7	16.2	560
A5N2XH0225	2	25	RM	0.9	19	850
A5N2XH0235	2	35	RM	0.9	21.4	1010
A5N2XH0250	2	50	RM	1	24.8	1364
A5N2XH0270	2	70	RM	1.1	28.9	1924
A5N2XH0295	2	95	RM	1.1	32.9	2578
A5N2XH02120	2	120	RM	1.3	37.7	3307
A5N2XH02150	2	150	RM	1.4	40.9	4005
A5N2XH02185	2	185	RM	1.6	45.3	4964
A5N2XH02240	2	240	RM	1.7	52.1	6503
A5N2XH02300	2	300	RM	1.8	58.3	8219
A5N2XH03015	3	1.5	RE	0.7	12	145
A5N2XH03025	3	2.5	RE	0.7	13	180
A5N2XH03040	3	4	RE	0.7	14	235
A5N2XH03060	3	6	RE	0.7	15	325
A5N2XH0310	3	10	RE	0.7	15.4	485
A5N2XH0316	3	16	RE	0.7	17.1	705
A5N2XH0325	3	25	RM	0.9	20.5	1080
A5N2XH0335	3	35	SM	0.9	22.8	1425
A5N2XH0350	3	50	SM	1	26.5	1840
A5N2XH0370	3	70	SM	1.1	30.1	2540
A5N2XH0395	3	95	SM	1.1	34.1	3430
A5N2XH03120	3	120	SM	1.3	39.1	4440
A5N2XH03150	3	150	SM	1.4	42.2	5380
A5N2XH03185	3	185	SM	1.6	46.7	6920
A5N2XH03240	3	240	SM	1.7	53.5	8420
A5N2XH03300	3	300	SM	1.8	62.7	10927



Click here for more information:

elandcables.com | [N2XH IEC 60502-1 XLPE FRNC 0.6/1kV Cable](#)

ELAND
CABLES

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR TYPE	NOMINAL THICKNESS OF INSULATION mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A5N2XH03400	3	400	SM	2	69.9	13709
A5N2XH0316/10	3 + E	16/10	RE	0.7	18.5	779
A5N2XH0325/16	3 + E	25/16	RM	0.9	22.1	1175
A5N2XH0335/16	3 + E	35/16	SM	0.9	24.3	1480
A5N2XH0350/25	3 + E	50/25	SM	1	28.2	2031
A5N2XH0370/35	3 + E	70/35	SM	1.1	32.1	2813
A5N2XH0395/50	3 + E	95/50	SM	1.1	36.4	3772
A5N2XH03120/70	3 + E	120/70	SM	1.3	41.4	4858
A5N2XH03150/70	3 + E	150/70	SM	1.4	44.2	5680
A5N2XH03185/95	3 + E	185/95	SM	1.6	48.4	7082
A5N2XH03240/120	3 + E	240/120	SM	1.7	56.5	9363
A5N2XH03300/150	3 + E	300/150	SM	1.9	63.3	11939
A5N2XH04015	4	1.5	RE	0.7	12	170
A5N2XH04025	4	2.5	RE	0.7	13	215
A5N2XH04040	4	4	RE	0.7	14.5	290
A5N2XH04060	4	6	RE	0.7	16	390
A5N2XH0410	4	10	RE	0.7	18.5	600
A5N2XH0416	4	16	RE	0.7	21	870
A5N2XH0425	4	25	RM	0.9	25.5	1365
A5N2XH0435	4	35	SM	0.9	28.5	1875
A5N2XH0450	4	50	SM	1	31.1	2550
A5N2XH0470	4	70	SM	1.1	36.2	3010
A5N2XH0495	4	95	SM	1.1	40.6	3960
A5N2XH04120	4	120	SM	1.3	45.4	5160
A5N2XH04150	4	150	SM	1.4	49.5	6150
A5N2XH04185	4	185	SM	1.6	54.4	7780
A5N2XH04240	4	240	SM	1.7	61.5	9550
A5N2XH05015	5	1.5	RE	0.7	13	195
A5N2XH05025	5	2.5	RE	0.7	14.5	255
A5N2XH05040	5	4	RE	0.7	16	345
A5N2XH05060	5	6	RE	0.7	17.5	475
A5N2XH0510	5	10	RE	0.7	20	735
A5N2XH0516	5	16	RE	0.7	23	1070
A5N2XH0525	5	25	RM	0.9	25.6	1605
A5N2XH0535	5	35	RM	0.9	28.7	2139
A5N2XH0550	5	50	RM	1	33	2870
A5N2XH0570	5	70	RM	1.1	38.2	4054
A5N2XH0595	5	95	RM	1.1	43	5415
A5N2XH05120	5	120	RM	1.3	50	7039
A5N2XH05150	5	150	RM	1.4	53.2	8447



ELECTRICAL CHARACTERISTICS

Current Carrying Capacity at 30°C

NOMINAL CROSS SECTIONAL AREA mm ²	NO. OF CORES Amps										
	1		2		3 and 4		7	10	12 and 14	19	24
	In Ground	In Air	In Ground	In Air	In Ground	In Air	In Air	In Air	In Air	In Air	In Air
1.5	31	24	37	26	31	23	18	16	14	13	12
2.5	41	33	48	36	41	31	23	22	20	18	16
4	59	45	63	49	53	42	-	-	-	-	-
6	101	58	80	63	66	54	-	-	-	-	-
10	128	80	104	86	87	75	-	-	-	-	-
16	144	107	136	115	113	100	-	-	-	-	-
25	174	138	173	149	144	127	-	-	-	-	-
35	206	169	-	-	174	158	-	-	-	-	-
50	254	207	-	-	206	192	-	-	-	-	-
70	301	268	-	-	254	246	-	-	-	-	-
95	343	328	-	-	301	298	-	-	-	-	-
120	387	382	-	-	343	346	-	-	-	-	-
150	434	441	-	-	387	395	-	-	-	-	-
185	501	506	-	-	434	450	-	-	-	-	-
240	565	599	-	-	501	538	-	-	-	-	-
300	565	693	-	-	-	-	-	-	-	-	-
400	749	811	-	-	-	-	-	-	-	-	-
500	843	940	-	-	-	-	-	-	-	-	-

Air ambient temperature: 30°C
 Ground ambient temperature: 20°C
 Conductor operating temperature: 90°C
 Depth of duct: 0.7m
 Soil thermal resistivity: 1km/W

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.