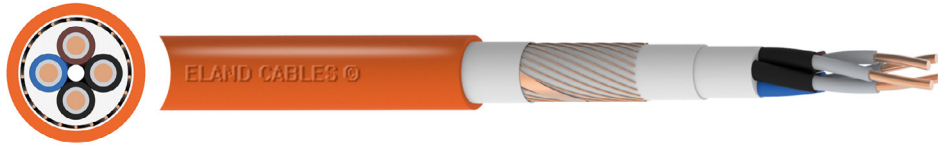




EN 60332-3-24 NHXCH FE180-E90 0.6/1kV Cable



Eland Product Group: A5K

APPLICATION

Suitable for use in all locations where a high degree of protection against fire and fire damage has to be provided for human life and equipment. These cables may be used indoors. Not suitable for direct burial or in water. Fire resistant to FE 180 and Circuit Integrity to E 90.

CHARACTERISTICS

Voltage Rating U₀/U
0.6/1kV

Temperature Rating
-5°C to +90°C

Minimum Bending Radius
12 x overall diameter

CONSTRUCTION

Conductor

RE: Class 1 solid copper conductor
RM: Class 2 stranded copper conductor

Insulation

LSZH (Low Smoke Zero Halogen)

Inner Sheath

LSZH (Low Smoke Zero Halogen)

Concentric Conductor

Copper wires with counter helix of copper tape

Outer Sheath

LSZH (Low Smoke Zero Halogen)

Core Identification

2 cores: ● Brown ● Blue
3 cores: ● Brown ● Black ● Grey
4 cores: ● Brown ● Black ● Grey ● Blue
5 cores: ● Brown ● Black ● Grey ● Blue ● Black
7 core and above: ● Black with ○ White numbers

Sheath Colour

● Orange

STANDARDS

DIN VDE 0266, DIN VDE 0276-604, DIN VDE 0472 - 814, EN 60228

Flame retardant according to: IEC/EN 60332-3-24, IEC 60331

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 Low Voltage Directive 2014/35/EU, 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	CONDUCTOR TYPE	CONCENTRIC CONDUCTOR mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A5KCHE90-02015	2	1.5	RE	1.5	16	300
A5KCHE90-02025	2	2.5	RE	2.5	17	350
A5KCHE90-03015	3	1.5	RE	1.5	16.8	363
A5KCHE90-03025	3	2.5	RE	2.5	17.9	434
A5KCHE90-03040	3	4	RE	4	19	434
A5KCHE90-03060	3	6	RE	6	21	434
A5KCHE90-0310	3	10	RE	10	24.1	949
A5KCHE90-0316	3	16	RE	16	27.3	1340
A5KCHE90-0325	3	25	RM	16	30.7	1766
A5KCHE90-0335	3	35	RM	16	33.3	2172
A5KCHE90-0350	3	50	RM	25	37.4	2857
A5KCHE90-0370	3	70	RM	35	42.5	3839
A5KCHE90-0395	3	95	RM	50	47.8	5082
A5KCHE90-03120	3	120	RM	70	51.4	6204
A5KCHE90-03150	3	150	RM	70	55.7	7340
A5KCHE90-03185	3	185	RM	95	61.7	9142
A5KCHE90-03240	3	240	RM	120	67.9	11582
A5KCHE90-04015	4	1.5	RE	1.5	18	450
A5KCHE90-04025	4	2.5	RE	2.5	19.2	505
A5KCHE90-04040	4	4	RE	4	20.3	608
A5KCHE90-04060	4	6	RE	6	22.5	777
A5KCHE90-0410	4	10	RE	10	26.4	1153
A5KCHE90-0416	4	16	RM	16	29.3	1584
A5KCHE90-0425	4	25	RM	16	33.1	2120
A5KCHE90-0435	4	35	RM	16	36	2634
A5KCHE90-0450	4	50	RM	25	41.1	3524
A5KCHE90-0470	4	70	RM	35	46.2	4695
A5KCHE90-0495	4	95	RM	50	52	6242
A5KCHE90-04120	4	120	RM	70	56	7622
A5KCHE90-04150	4	150	RM	70	61	9096
A5KCHE90-04185	4	185	RM	95	67.5	11307
A5KCHE90-04240	4	240	RM	120	74.4	14359
A5KCHE90-07015	7	1.5	RE	2.5	20.9	588
A5KCHE90-07025	7	2.5	RE	2.5	22.1	696
A5KCHE90-12015	12	1.5	RE	2.5	26.2	620
A5KCHE90-12025	12	2.5	RE	2.5	28.2	1168
A5KCHE90-24015	24	1.5	RE	6	37.6	1979
A5KCHE90-24025	24	2.5	RE	2.5	41	2465

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.