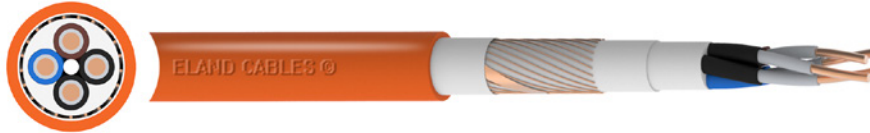


BS EN 60332-3-24 NHXCH - FE180-E90 0.6/1kV Cable



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 and outdoors. Not suitable for direct burial or in water. Fire resistant to FE 180 and Circuit Integrity to E 90.

CABLE STANDARDS

DIN VDE 0472-814/8.83, DIN VDE 0266
DIN VDE 0276-604, DIN EN 60228 class 1 and 2
(construction), BS EN 60332-3-24
HD 308 S2 (core identification), DIN VDE 0472-814



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

CONSTRUCTION

Conductor

Solid or stranded copper conductor
Class 1 solid copper conductor to BS EN 60228
(previously BS 6360)
Class 2 stranded copper conductor to BS EN 60228
(previously BS 6360)

Insulation

Halogen free polymer Type HXI 1 according to VDE 0266

Inner Sheath

Halogen free compound

Concentric Conductor

Copper wires with a counter helix of copper tape

Outer Sheath

Halogen free polymer Type HM 4 according to VDE 0207

CHARACTERISTICS

Voltage Rating (U₀/U)
600/1000V

Test Voltage
4kV AC

Temperature Rating
-5°C to +90°C

Short Circuit Temperature
+250°C

Minimum Bending Radius
12 x overall diameter

Outer Sheath Colour
● Orange

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CONCENTRIC CONDUCTOR	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

RE = round conductor, RM = stranded conductor, SM = sectional conductor