YMeKrvasdlwd Single Core Aluminium MDPE Cable

Eland Product Group: C9E

APPLICATION

Single core Radial and Longitudinal water blocking medium voltage power cables for power distribution with solid aluminium conductors.

CHARACTERISTICS

Voltage Rating
6/10 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
18/30 (36) kV

Temperature Rating
Maximum conductor temperature: +90°C

CONSTRUCTION

Conductor
Class 1 solid Aluminium

Conductor Screen
Semi-conductive XLPE (Cross-linked Polyethylene)

Insulation
XLPE (Cross-linked polyethylene)

Insulation Screen
Semi-conductive XLPE (Cross-linked Polyethylene)

Waterblocking Tape
Semi-conductive swellable tape

Screen
Copper wires and tape

Waterblocking Tape
Longitudinal swellable tape

Waterblocking Tape 2
Al/PET (Aluminium/Polyester) Radial Water Blocking

Sheath
MDPE (Medium Density Polyethylene)

Sheath Colour
Red

STANDARDS

NEN-HD 620 S2 - Part 10J / IEC 60502-2
Fire safety according to EN50575 and NEN8012-Fca
UV-protection ISO 4892/2

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.

UKAS ISO/IEC 17025 Testing laboratory accreditation 8578
bsi. ISO 9001 Quality Management FS 672069
ISO 14001 Environmental Management EMS 672067
ISO 45001 Occupational Health and Safety Management OHS 672066

REGULATORY COMPLIANCE

This cable meets the requirements of 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™.

bsi. RoHS Trusted KITEMARK™ KM 634267
RoHS

DIMENSIONS 6/10 (12) KV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL SCREEN CROSS SECTIONAL AREA mm²	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/m
C9E10KV101150RD	1	150	25	31.3	1140
C9E10KV101240RD	1	240	25	34.3	1433
C9E10KV101400RD	1	400	70	39.8	2356
C9E10KV101630RD	1	630	70	45.6	3157
C9E10KV101800RD	1	800	70	49.1	3720
C9E10KV1011000R	1	1000	70	53.8	4394

DIMENSIONS 8.7/15 (17.5) KV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL SCREEN CROSS SECTIONAL AREA mm²	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/m
C9E15KV101150RD	1	150	25	33.6	1239
C9E15KV101240RD	1	240	25	37.3	1583
C9E15KV101300RD	1	300	50	39.3	2000
C9E15KV101400RD	1	400	50	41.9	2298
C9E15KV101630RD	1	630	50	48.1	3128
C9E15KV101800RD	1	800	50	51.9	3699

DIMENSIONS 12/20 (24) KV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL SCREEN CROSS SECTIONAL AREA mm²	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/m
C9E20KV101150RD	1	150	25	35.5	1329
C9E20KV101150RD	1	150	70	35.5	1732
C9E20KV101240RD	1	240	25	39.2	1688
C9E20KV201240RD	1	240	35	39.2	1766
C9E20KV301240RD	1	240	50	39.2	1908
C9E20KV401240RD	1	240	70	39.2	2097
C9E20KV101300RD	1	300	50	41.4	2120
C9E20KV101400RD	1	400	35	43.8	2281
C9E20KV201400RD	1	400	50	43.8	2415
C9E20KV101630RD	1	630	35	50.4	3148
C9E20KV201630RD	1	630	50	50.4	3281
C9E20KV101800RD	1	800	50	54.1	3866
C9E20KV1011000R	1	1000	35	58.3	4220
C9E20KV2011000R	1	1000	50	58.3	4556

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DIMENSIONS 18/30 (36) KV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL SCREEN CROSS SECTIONAL AREA mm²	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/m
C9E30KV101095RD	1	95	25	37.9	1353
C9E30KV101150RD	1	150	25	40.4	1592
C9E30KV101240RD	1	240	25	44.2	1975
C9E30KV101300RD	1	300	25	46.2	2205
C9E30KV101400RD	1	400	25	48.7	2509
C9E30KV201400RD	1	400	50	48.7	2729
C9E30KV101630RD	1	630	25	55.7	3492
C9E30KV201630RD	1	630	35	55.7	3549
C9E30KV301630RD	1	630	50	55.7	3674
C9E30KV101800RD	1	800	50	59.6	4289
C9E30KV201800RD	1	800	80	59.6	4565
C9E30KV1011000R	1	1000	50	63.6	5003
C9E30KV2011000R	1	1000	80	63.6	5288
C9E30KV1011200R	1	1200	50	66.6	5676