



YMeKrvasdlwd Copper MDPE Single Core Cable



Eland Product Group: C9D

APPLICATION

Single Core Radial and Longitudinal water blocking medium voltage power cables for power distribution with MDPE sheathing. Suitable for external installation including in ducts and direct burial.

CHARACTERISTICS

Voltage U_o/U (Um)

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 2 stranded compacted copper

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
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.



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™.





DIMENSIONS 6/10 (12)KV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL SCREEN CROSS SECTIONAL AREA mm ²	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/km
C9D10KV101150RD	1	150	25	32.5	2071
C9D10KV101185RD	1	185	25	34.4	2457
C9D10KV101240RD	1	240	25	36.7	3051
C9D10KV101300RD	1	300	25	38.8	3546
C9D10KV101400RD	1	400	50	41.6	4595
C9D10KV101500RD	1	500	50	45.4	5892
C9D10KV101630RD	1	630	50	49.6	7090

DIMENSIONS 8.7/15 (17.5)KV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL SCREEN CROSS SECTIONAL AREA mm ²	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/km
C9D15KV101025RD	1	25	25	26.7	888
C9D15KV101050RD	1	50	25	28.7	1140
C9D15KV101070RD	1	70	35	30.3	1452
C9D15KV101095RD	1	95	25	31.9	1638
C9D15KV101120RD	1	120	35	33.4	1981
C9D15KV101150RD	1	150	25	34.9	2176
C9D15KV101240RD	1	240	25	38.9	3165
C9D15KV101400RD	1	400	50	44.3	4737
C9D15KV101500RD	1	500	50	47.6	6035
C9D15KV101630RD	1	630	50	51.8	7247

DIMENSIONS 12/20 (24)KV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL SCREEN CROSS SECTIONAL AREA mm ²	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/km
C9D20KV101050RD	1	50	25	30.2	1214
C9D20KV101095RD	1	95	50	33.9	1947
C9D20KV101630RD	1	630	50	54.1	7410

DIMENSIONS 18/30 (36)KV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL SCREEN CROSS SECTIONAL AREA mm ²	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/km
C9D30KV101150RD	1	150	25	41.8	2544
C9D30KV101240RD	1	240	25	44.9	3572
C9D30KV201240RD	1	240	35	44.9	3658
C9D30KV101300RD	1	300	50	48.2	4325
C9D30KV101400RD	1	400	50	51.5	5208
C9D30KV101500RD	1	500	50	55.0	6568
C9D30KV101630RD	1	630	50	59.4	7842

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.