



# 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<sub>0</sub>/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

## THE CABLE LAB<sup>®</sup>

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](http://www.elandcables.com/company/about-us/esg-sustainability)



SCIENCE  
BASED  
TARGETS

BUSINESS  
AMBITION FOR 1.5°C



## REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## DIMENSIONS 6/10 (12)KV

| ELAND PART NO.  | NO. OF CORES | NOMINAL CROSS SECTIONAL AREA<br>mm <sup>2</sup> | NOMINAL SCREEN CROSS SECTIONAL AREA<br>mm <sup>2</sup> | NOMINAL OUTER DIAMETER<br>mm | NOMINAL WEIGHT<br>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<br>mm <sup>2</sup> | NOMINAL SCREEN CROSS SECTIONAL AREA<br>mm <sup>2</sup> | NOMINAL OUTER DIAMETER<br>mm | NOMINAL WEIGHT<br>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<br>mm <sup>2</sup> | NOMINAL SCREEN CROSS SECTIONAL AREA<br>mm <sup>2</sup> | NOMINAL OUTER DIAMETER<br>mm | NOMINAL WEIGHT<br>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<br>mm <sup>2</sup> | NOMINAL SCREEN CROSS SECTIONAL AREA<br>mm <sup>2</sup> | NOMINAL OUTER DIAMETER<br>mm | NOMINAL WEIGHT<br>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.