Veriflex® double screened low capacitance motor supply cable for frequency converters. The screen protects against external interference pulses and ensures an interference-free transmission.

**APPLICATION**

Voltage Rating
0.6/1kV

Temperature Rating
Fixed: -30°C to +80°C
Flexed: -5°C to +40°C

Minimum Bending Radius
Fixed: 7.5 x overall diameter
Flexed: 15 x overall diameter

**CHARACTERISTICS**

**Voltage Rating**
0.6/1kV

**Temperature Rating**
Fixed: -30°C to +80°C
Flexed: -5°C to +40°C

**Minimum Bending Radius**
Fixed: 7.5 x overall diameter
Flexed: 15 x overall diameter

**CONSTRUCTION**

**Conductor**
Class 5 flexible plain copper

**Insulation**
XLPE (Cross-linked Polyethylene)

**Separator**
PET (Polyester Tape)

**Screen 1**
Al/PET (Aluminium Polyester Tape)

**Screen 2**
TCWB (Tinned Copper Wire Braid)

**Sheath**
LSZH (Low Smoke Zero Halogen)

**Core Identification**
- Green/Yellow
- Brown
- Black
- Grey

**Sheath Colour**
- Black

**BSI KITEMARK™ TESTED**
Cables are tested and verified by The Cable Lab® to confirm they meet the quality standards required of the BSI Cable TESTED Verification Kitemark™

**STANDARDS**
BS EN/IEC 60228, DIN EN 50267-2, BS EN/IEC 61034-1/2, BS EN/IEC 60754-1/2

Flame Retardant according to DIN/BS EN/IEC 60332-1-2

**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 Low Voltage Directive 2014/35/EU and 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

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NO. OF CORES</th>
<th>NOMINAL CROSS SECTIONAL AREA $\text{mm}^2$</th>
<th>NOMINAL OVERALL DIAMETER $\text{mm}$</th>
<th>NOMINAL WEIGHT $\text{kg/km}$</th>
</tr>
</thead>
<tbody>
<tr>
<td>V0404032BK000</td>
<td>4</td>
<td>1.5</td>
<td>9.8</td>
<td>159</td>
</tr>
<tr>
<td>V0404042BK000</td>
<td>4</td>
<td>2.5</td>
<td>11.4</td>
<td>225</td>
</tr>
<tr>
<td>V0404052BK000</td>
<td>4</td>
<td>4</td>
<td>12.7</td>
<td>297</td>
</tr>
<tr>
<td>V0404062BK000</td>
<td>4</td>
<td>6</td>
<td>14.1</td>
<td>398</td>
</tr>
<tr>
<td>V0404072BK000</td>
<td>4</td>
<td>10</td>
<td>16.9</td>
<td>611</td>
</tr>
<tr>
<td>V0404082BK000</td>
<td>4</td>
<td>16</td>
<td>19.5</td>
<td>885</td>
</tr>
<tr>
<td>V0404092BK000</td>
<td>4</td>
<td>25</td>
<td>24.2</td>
<td>1339</td>
</tr>
<tr>
<td>V0404102BK000</td>
<td>4</td>
<td>35</td>
<td>27.5</td>
<td>1782</td>
</tr>
<tr>
<td>V0404112BK000</td>
<td>4</td>
<td>50</td>
<td>31.1</td>
<td>2447</td>
</tr>
<tr>
<td>V0404122BK000</td>
<td>4</td>
<td>70</td>
<td>36.4</td>
<td>3391</td>
</tr>
<tr>
<td>V0404132BK000</td>
<td>4</td>
<td>95</td>
<td>42.7</td>
<td>4584</td>
</tr>
<tr>
<td>V0404142BK000</td>
<td>4</td>
<td>120</td>
<td>47.7</td>
<td>5721</td>
</tr>
<tr>
<td>V0404152BK000</td>
<td>4</td>
<td>150</td>
<td>54.3</td>
<td>7220</td>
</tr>
<tr>
<td>V0404162BK000</td>
<td>4</td>
<td>185</td>
<td>60.9</td>
<td>8954</td>
</tr>
<tr>
<td>V0404172BK000</td>
<td>4</td>
<td>240</td>
<td>68.1</td>
<td>11400</td>
</tr>
</tbody>
</table>

### With Split Earth Conductor

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NO. OF CORES</th>
<th>NOMINAL CROSS SECTIONAL AREA $\text{mm}^2$</th>
<th>NOMINAL OVERALL DIAMETER $\text{mm}$</th>
<th>NOMINAL WEIGHT $\text{kg/km}$</th>
</tr>
</thead>
<tbody>
<tr>
<td>V0403032BK000</td>
<td>3+3</td>
<td>1.5</td>
<td>0.25</td>
<td>11.4</td>
</tr>
<tr>
<td>V0403042BK000</td>
<td>3+3</td>
<td>2.5</td>
<td>0.5</td>
<td>12.2</td>
</tr>
<tr>
<td>V0403052BK000</td>
<td>3+3</td>
<td>4</td>
<td>0.75</td>
<td>14.4</td>
</tr>
<tr>
<td>V0403062BK000</td>
<td>3+3</td>
<td>6</td>
<td>1.0</td>
<td>15.7</td>
</tr>
<tr>
<td>V0403072BK000</td>
<td>3+3</td>
<td>10</td>
<td>1.5</td>
<td>18</td>
</tr>
<tr>
<td>V0403082BK000</td>
<td>3+3</td>
<td>16</td>
<td>2.5</td>
<td>20.2</td>
</tr>
<tr>
<td>V0403092BK000</td>
<td>3+3</td>
<td>25</td>
<td>4</td>
<td>23.8</td>
</tr>
<tr>
<td>V0403102BK000</td>
<td>3+3</td>
<td>35</td>
<td>6</td>
<td>26.9</td>
</tr>
<tr>
<td>V0403112BK000</td>
<td>3+3</td>
<td>50</td>
<td>10</td>
<td>32.6</td>
</tr>
<tr>
<td>V0403122BK000</td>
<td>3+3</td>
<td>70</td>
<td>10</td>
<td>36.4</td>
</tr>
<tr>
<td>V0403132BK000</td>
<td>3+3</td>
<td>95</td>
<td>16</td>
<td>42</td>
</tr>
<tr>
<td>V0403142BK000</td>
<td>3+3</td>
<td>120</td>
<td>16</td>
<td>47.8</td>
</tr>
<tr>
<td>V0403152BK000</td>
<td>3+3</td>
<td>150</td>
<td>25</td>
<td>51.6</td>
</tr>
<tr>
<td>V0403162BK000</td>
<td>3+3</td>
<td>185</td>
<td>35</td>
<td>56.5</td>
</tr>
<tr>
<td>V0403172BK000</td>
<td>3+3</td>
<td>240</td>
<td>50</td>
<td>65.1</td>
</tr>
</tbody>
</table>

## ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>NOMINAL CROSS SECTIONAL AREA $\text{mm}^2$</th>
<th>CURRENT CARRYING CAPACITIES $\text{30°C CONTINUOUS LOADING A}$</th>
<th>MAXIMUM RESISTANCE OF CONDUCTOR AT $20°C$ ohms/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>18</td>
<td>13.3</td>
</tr>
<tr>
<td>2.5</td>
<td>26</td>
<td>7.98</td>
</tr>
<tr>
<td>4</td>
<td>34</td>
<td>4.95</td>
</tr>
<tr>
<td>6</td>
<td>44</td>
<td>3.3</td>
</tr>
<tr>
<td>10</td>
<td>61</td>
<td>1.91</td>
</tr>
<tr>
<td>16</td>
<td>82</td>
<td>1.21</td>
</tr>
<tr>
<td>25</td>
<td>108</td>
<td>0.780</td>
</tr>
<tr>
<td>35</td>
<td>135</td>
<td>0.554</td>
</tr>
</tbody>
</table>

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.