

# nVent ERICO Ericore Unterminated Conductor



## FEATURES

Low-inductance, low-impedance cable designed to minimize voltage build-up due to lightning impulses

Multiple insulated layers of conductor reduce the potential of side flashing

Requires upper and lower termination kits

## SPECIFICATIONS

Table 1/3

| Catalog Number | Length (L) | Length | Length (L) | Length | Capacitance | Cross Section     |
|----------------|------------|--------|------------|--------|-------------|-------------------|
| ERICORE107U    | 107m       | 107 m  | 107m       | 107 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE055U    |            | 55 m   |            | 55 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE037U    | 37m        | 37 m   | 37m        | 37 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE185U    | 185m       | 185 m  | 185m       | 185 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE200U    | 200m       | 200 m  | 200m       | 200 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE600U    |            | 600 m  |            | 600 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE250U    | 250m       | 250 m  | 250m       | 250 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE011U    | 11m        | 11 m   | 11m        | 11 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE130U    | 130m       | 130 m  | 130m       | 130 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE075U    |            | 75 m   |            | 75 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE100U    | 100m       | 100 m  | 100m       | 100 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE025U    | 25m        | 25 m   | 25m        | 25 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE152U    | 152m       | 152 m  | 152m       | 152 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE060U    |            | 60 m   |            | 60 m   | 0.75 nF     | 50mm <sup>2</sup> |

| Catalog Number | Length (L) | Length | Length (L) | Length | Capacitance | Cross Section     |
|----------------|------------|--------|------------|--------|-------------|-------------------|
| ERICORE275U    | 275m       | 275 m  | 275m       | 275 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE012U    | 12m        | 12 m   | 12m        | 12 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE019U    | 19m        | 19 m   | 19m        | 19 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE047U    |            | 47 m   |            | 47 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE073U    |            | 73 m   |            | 73 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE018U    | 18m        | 18 m   | 18m        | 18 m   | 0.75 nF     | 50mm <sup>2</sup> |

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| Catalog Number | Length (L) | Length | Length (L) | Length | Capacitance | Cross Section     |
|----------------|------------|--------|------------|--------|-------------|-------------------|
| ERICORE050U    |            | 50 m   |            | 50 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE035U    | 35m        | 35 m   | 35m        | 35 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE340U    | 340m       | 340"   | 340m       | 340 mm | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE191U    | 191m       | 191 m  | 191m       | 191 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE125U    | 125m       | 125 m  | 125m       | 125 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE264U    | 264m       | 264 m  | 264m       | 264 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE110U    | 110m       | 110 m  | 110m       | 110 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE015U    | 15m        | 15 m   | 15m        | 15 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE375U    |            | 375 m  |            | 375 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE150U    | 150m       | 150 m  | 150m       | 150 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE070U    |            | 70 m   |            | 70 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE085U    |            | 85 m   |            | 85 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE095U    |            | 95 m   |            | 95 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE140U    | 140m       | 140 m  | 140m       | 140 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE400U    |            | 400 m  |            | 400 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE022U    | 22m        | 22 m   | 22m        | 22 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE052U    |            | 52 m   |            | 52 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE001U    | 1m         | 1 m    | 1m         | 1 m    | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE203U    | 203m       | 203 m  | 203m       | 203 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE040U    |            | 40 m   |            | 40 m   | 0.75 nF     | 50mm <sup>2</sup> |

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| Catalog Number | Length (L) | Length | Length (L) | Length | Capacitance | Cross Section     |
|----------------|------------|--------|------------|--------|-------------|-------------------|
| ERICORE020U    | 20m        | 20 m   | 20m        | 20 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE160U    | 160m       | 160 m  | 160m       | 160 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE180U    | 180m       | 180 m  | 180m       | 180 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE300U    | 300m       | 300 m  | 300m       | 300 m  | 0.75 nF     | 50mm <sup>2</sup> |

| Catalog Number | Length (L) | Length | Length (L) | Length | Capacitance | Cross Section     |
|----------------|------------|--------|------------|--------|-------------|-------------------|
| ERICORE500U    |            | 500 m  |            | 500 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE051U    |            | 51 m   |            | 51 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE003U    | 3m         | 3 m    | 3m         | 3 m    | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE138U    | 138m       | 138 m  | 138m       | 138 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE285U    | 285m       | 285 m  | 285m       | 285 m  | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE1500U   | 1500m      | 1500 m | 1500m      | 1500 m | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE046U    |            | 46 m   |            | 46 m   | 0.75 nF     | 50mm <sup>2</sup> |
| ERICORE1000U   | 1000m      | 1000 m | 1000m      | 1000 m | 0.75 nF     | 50mm <sup>2</sup> |

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| Catalog Number | Cross Section     | Diameter (Ø) | Impedance | Inductance | Resistance (Rdc) | Resistance (Rimp) | Unit Weight |
|----------------|-------------------|--------------|-----------|------------|------------------|-------------------|-------------|
| ERICORE107U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 126.26 kg   |
| ERICORE055U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 64.9 kg     |
| ERICORE037U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 43.66 kg    |
| ERICORE185U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 218.3 kg    |
| ERICORE200U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 236 kg      |
| ERICORE600U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 708 kg      |
| ERICORE250U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 295 kg      |
| ERICORE011U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 12.98 kg    |
| ERICORE130U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 153.4 kg    |
| ERICORE075U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 88.5 kg     |
| ERICORE100U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 118 kg      |
| ERICORE025U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 29.5 kg     |
| ERICORE152U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 179.36 kg   |
| ERICORE060U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 70.8 kg     |
| ERICORE275U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 324.5 kg    |
| ERICORE012U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 14.16 kg    |
| ERICORE019U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 22.42 kg    |
| ERICORE047U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 55.46 kg    |
| ERICORE073U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 86.14 kg    |
| ERICORE018U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 21.24 kg    |

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| Catalog Number | Cross Section     | Diameter (Ø) | Impedance | Inductance | Resistance (Rdc) | Resistance (Rimp) | Unit Weight |
|----------------|-------------------|--------------|-----------|------------|------------------|-------------------|-------------|
| ERICORE050U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 59 kg       |
| ERICORE035U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 41.3 kg     |
| ERICORE340U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 401.2 kg    |
| ERICORE191U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 225.38 kg   |
| ERICORE125U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 147.5 kg    |
| ERICORE264U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 311.52 kg   |
| ERICORE110U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 129.8 kg    |
| ERICORE015U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 17.7 kg     |
| ERICORE375U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 442.5 kg    |
| ERICORE150U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 177 kg      |
| ERICORE070U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 82.6 kg     |
| ERICORE085U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 100.3 kg    |
| ERICORE095U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 112.1 kg    |
| ERICORE140U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 165.2 kg    |
| ERICORE400U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 472 kg      |
| ERICORE022U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 25.96 kg    |
| ERICORE052U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 61.36 kg    |
| ERICORE001U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 1.18 kg     |
| ERICORE203U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 239.54 kg   |
| ERICORE040U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 47.2 kg     |

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| Catalog Number | Cross Section     | Diameter (Ø) | Impedance | Inductance | Resistance (Rdc) | Resistance (Rimp) | Unit Weight |
|----------------|-------------------|--------------|-----------|------------|------------------|-------------------|-------------|
| ERICORE020U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 23.6 kg     |
| ERICORE160U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 188.8 kg    |
| ERICORE180U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 212.4 kg    |
| ERICORE300U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 354 kg      |
| ERICORE500U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 590 kg      |
| ERICORE051U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 60.18 kg    |
| ERICORE003U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 3.54 kg     |
| ERICORE138U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 162.84 kg   |
| ERICORE285U    | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 336.3 kg    |
| ERICORE1500U   | 50mm <sup>2</sup> | 36 mm        | 12 Ω Max  | 37nH       | 0.5mΩ·m          | 6mΩ·m             | 1770 kg     |

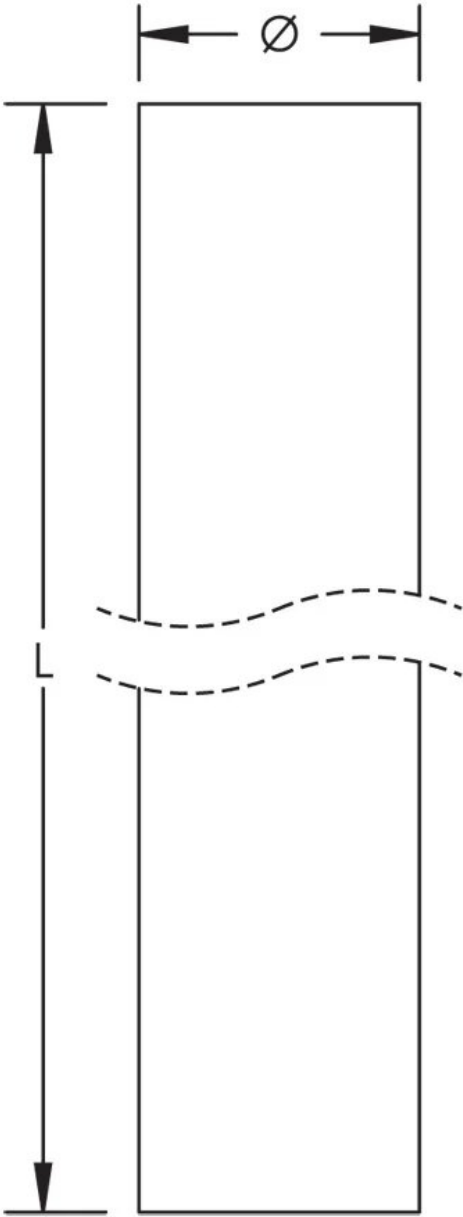
| Catalog Number | Cross Section     | Diameter( $\varnothing$ ) | Impedance       | Inductance | Resistance (Rdc) | Resistance (Rimp) | UnitWeight |
|----------------|-------------------|---------------------------|-----------------|------------|------------------|-------------------|------------|
| ERICORE046U    | 50mm <sup>2</sup> | 36 mm                     | 12 $\Omega$ Max | 37nH       | 0.5m $\Omega$ ·m | 6m $\Omega$ ·m    | 54.28 kg   |
| ERICORE1000U   | 50mm <sup>2</sup> | 36 mm                     | 12 $\Omega$ Max | 37nH       | 0.5m $\Omega$ ·m | 6m $\Omega$ ·m    | 1180 kg    |

### ADDITIONAL PRODUCT DETAILS

Consult nVent ERICO technical support or the installation manual for guidance on maximum allowable lengths.

Inductance and Capacitance are per meter.

### DIAGRAMS



**WARNING**

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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