

nVent ERICO Ericore Underminated 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	Capacitance
ERICORE001U	1m	1 m	0.75 nF
ERICORE003U	3m	3 m	0.75 nF
ERICORE011U	11m	11 m	0.75 nF
ERICORE012U	12m	12 m	0.75 nF
ERICORE015U	15m	15 m	0.75 nF
ERICORE018U	18m	18 m	0.75 nF
ERICORE019U	19m	19 m	0.75 nF

Catalog Number	Length (L)	Length	Capacitance
ERICORE020U	20m	20 m	0.75 nF
ERICORE022U	22m	22 m	0.75 nF
ERICORE025U	25m	25 m	0.75 nF
ERICORE035U	35m	35 m	0.75 nF
ERICORE037U	37m	37 m	0.75 nF
ERICORE040U		40 m	0.75 nF
ERICORE046U		46 m	0.75 nF
ERICORE047U		47 m	0.75 nF
ERICORE050U		50 m	0.75 nF
ERICORE051U		51 m	0.75 nF
ERICORE052U		52 m	0.75 nF
ERICORE055U		55 m	0.75 nF
ERICORE060U		60 m	0.75 nF
ERICORE070U		70 m	0.75 nF
ERICORE073U		73 m	0.75 nF
ERICORE075U		75 m	0.75 nF
ERICORE085U		85 m	0.75 nF
ERICORE095U		95 m	0.75 nF

Catalog Number	Length (L)	Length	Capacitance
ERICORE1000U	1000m	1000 m	0.75 nF
ERICORE100U	100m	100 m	0.75 nF
ERICORE107U	107m	107 m	0.75 nF
ERICORE110U	110m	110 m	0.75 nF
ERICORE125U	125m	125 m	0.75 nF
ERICORE130U	130m	130 m	0.75 nF
ERICORE138U	138m	138 m	0.75 nF
ERICORE140U	140m	140 m	0.75 nF
ERICORE1500U	1500m	1500 m	0.75 nF
ERICORE150U	150m	150 m	0.75 nF
ERICORE152U	152m	152 m	0.75 nF
ERICORE160U	160m	160 m	0.75 nF
ERICORE180U	180m	180 m	0.75 nF
ERICORE185U	185m	185 m	0.75 nF
ERICORE191U	191m	191 m	0.75 nF
ERICORE200U	200m	200 m	0.75 nF
ERICORE203U	203m	203 m	0.75 nF
ERICORE250U	250m	250 m	0.75 nF

Catalog Number	Length (L)	Length	Capacitance
ERICORE264U	264m	264 m	0.75 nF
ERICORE275U	275m	275 m	0.75 nF
ERICORE285U	285m	285 m	0.75 nF
ERICORE300U	300m	300 m	0.75 nF
ERICORE340U	340m	340 mm	0.75 nF
ERICORE375U		375 m	0.75 nF
ERICORE400U		400 m	0.75 nF
ERICORE500U		500 m	0.75 nF
ERICORE600U		600 m	0.75 nF

Table 2/3						
Catalog Number	Cross Section	Diameter (Ø)	Impedance	Inductance	Resistance (Rdc)	Resistance (Rimp)
ERICORE001U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE003U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE011U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE012U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE015U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE018U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE019U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE020U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m

CatalogNumber	Cross Section	Diameter (Ø)	Impedance	Inductance	Resistance (Rdc)	Resistance (Rimp)
ERICORE022U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE025U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE035U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE037U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE040U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE046U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE047U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE050U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE051U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE052U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE055U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE060U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE070U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE073U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE075U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE085U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE095U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE1000U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m

CatalogNumber	Cross Section	Diameter (Ø)	Impedance	Inductance	Resistance (Rdc)	Resistance (Rimp)
ERICORE100U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE107U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE110U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE125U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE130U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE138U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE140U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE1500U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE150U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE152U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE160U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE180U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE185U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE191U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE200U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE203U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE250U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE264U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m

CatalogNumber	Cross Section	Diameter (Ø)	Impedance	Inductance	Resistance (Rdc)	Resistance (Rimp)
ERICORE275U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE285U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE300U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE340U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE375U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE400U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE500U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m
ERICORE600U	50mm ²	36 mm	12 Ω Max	37nH	0.5mΩ·m	6mΩ·m

Table 3/3

Catalog Number	Unit Weight
ERICORE001U	1.18 kg
ERICORE003U	3.54 kg
ERICORE011U	12.98 kg
ERICORE012U	14.16 kg
ERICORE015U	17.7 kg
ERICORE018U	21.24 kg
ERICORE019U	22.42 kg
ERICORE020U	23.6 kg
ERICORE022U	25.96 kg

Catalog Number	Unit Weight
ERICORE025U	29.5 kg
ERICORE035U	41.3 kg
ERICORE037U	43.66 kg
ERICORE040U	47.2 kg
ERICORE046U	54.28 kg
ERICORE047U	55.46 kg
ERICORE050U	59 kg
ERICORE051U	60.18 kg
ERICORE052U	61.36 kg
ERICORE055U	64.9 kg
ERICORE060U	70.8 kg
ERICORE070U	82.6 kg
ERICORE073U	86.14 kg
ERICORE075U	88.5 kg
ERICORE085U	100.3 kg
ERICORE095U	112.1 kg
ERICORE1000U	1180 kg
ERICORE100U	118 kg

Catalog Number	Unit Weight
ERICORE107U	126.26 kg
ERICORE110U	129.8 kg
ERICORE125U	147.5 kg
ERICORE130U	153.4 kg
ERICORE138U	162.84 kg
ERICORE140U	165.2 kg
ERICORE1500U	1770 kg
ERICORE150U	177 kg
ERICORE152U	179.36 kg
ERICORE160U	188.8 kg
ERICORE180U	212.4 kg
ERICORE185U	218.3 kg
ERICORE191U	225.38 kg
ERICORE200U	236 kg
ERICORE203U	239.54 kg
ERICORE250U	295 kg
ERICORE264U	311.52 kg
ERICORE275U	324.5 kg

Catalog Number	Unit Weight
ERICORE285U	336.3 kg
ERICORE300U	354 kg
ERICORE340U	401.2 kg
ERICORE375U	442.5 kg
ERICORE400U	472 kg
ERICORE500U	590 kg
ERICORE600U	708 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 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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