

nVent ERICO Cu-Bond Composite Cable

Power Utilities



nVent ERICO Cu-Bond is a bare concentric stranded conductor that consists of peripheral tinned copper plated steel which protects and conceals the internal copper stranding.

This conductor is ideal for exposed electrical grounding applications where copper theft may occur due to its tinned outer strands. The conductor is difficult to cut with hand tools, but the copper core makes it easier to install than other theft deterrent conductors. The outer stranding is magnetic, which further deters thieves looking for copper.

The CC5A05CB (19 strand) is electrically equivalent to a 4 AWG (25 mm²), the CC5A20CB is electrically equivalent to a 2/0 AWG (70 mm²) and the CC5A40CB is electrically equivalent to a 4/0 AWG (120 mm²). These conductors are ideal for transmission tower, distribution pole and a wide range of above and below grade grounding applications.

功能

Outer strands comprised of tinned copper-bonded steel for theft deterrence and improved corrosion resistance

Inner copper stranding is tinned for superior corrosion resistance

Copper stranding inside of conductor increases conductivity and conductor flexibility

Available in three sizes/configurations with electrical equivalency to 4, 2/0 and 4/0 AWG copper

Suitable for direct burial applications

More flexible and easier to work with than copper clad steel conductors

技术参数

Table 1/1

物料号	绞合方式	熔断容量等效值	导体代码	单位重量
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CC5A40CB	(161) 股: (133) 镀锡铜, (27) 镀锡镀铜圆钢	120 mm ²	S7	79 kg
CC5A20CB	(154) 股: (133) 镀锡铜, (21) 镀锡镀铜圆钢	70 mm ²	S5	51 kg

其他产品详情

Weight does not include reel.

Please contact your nVent ERICO Customer Service Representative for other nVent ERICO Cadweld configurations.

ERICO CU-BOND 复合电缆的 ERICO CADWELD 连接						
部件编号	ERICO CU-BOND 复合电缆	ERICO CADWELD 焊药	ERICO CADWELD PLUS 焊药	ERICO CADWELD 连接类型	连接端	手柄夹
SSCS1	CC5A05CB	32	32PLUSF20	SS	T1 电缆	L160
SSCS5	CC5A20CB	90	90PLUSF20	SS	T2 电缆	L160
SSCS7	CC5A40CB	150	150PLUSF20	SS	T3 电缆	L160
GRC16S1	CC5A05CB	65	65PLUSF20	GR	5/8 英寸铜焊连接接地棒	L160
GRC16S5	CC5A20CB	90	90PLUSF20	GR	5/8 英寸铜焊连接接地棒	L160
GRC16S7	CC5A40CB	115	115PLUSF20	GR	5/8 英寸铜焊连接接地棒	L160
GRC18S1	CC5A05CB	90	90PLUSF20	GR	3/4 英寸铜焊连接接地棒	L160
GRC18S5	CC5A20CB	90	90PLUSF20	GR	3/4 英寸铜焊连接接地棒	L160
GRC18S7	CC5A40CB	115	115PLUSF20	GR	3/4 英寸铜焊连接接地棒	L160
GLCCES1	CC5A05CB	32	32PLUSF20	GL	B121CE 或 B122CE 接线片	L160
GLCCES5	CC5A20CB	45	45PLUSF20	GL	B121CE 或 B122CE 接线片	L160
GLCCES7	CC5A40CB	65	65PLUSF20	GL	B121DE 或 B122DE 接线片	L160
GTC16S1	CC5A05CB	90	90PLUSF20	GT	5/8 英寸铜焊连接接地棒	L160
GTC16S5	CC5A20CB	115	115PLUSF20	GT	5/8 英寸铜焊连接接地棒	L160
GTC16S7	CC5A40CB	200	200PLUSF20	GT	5/8 英寸铜焊连接接地棒	L160
GTC18S1	CC5A05CB	90	90PLUSF20	GT	3/4 英寸铜焊连接接地棒	L160
GTC18S5	CC5A20CB	115	115PLUSF20	GT	3/4 英寸铜焊连接接地棒	L160
GTC18S7	CC5A40CB	200	200PLUSF20	GT	3/4 英寸铜焊连接接地棒	L160
LACS1CE	CC5A05CB	45	45PLUSF20	LA	B101CEOL 或 B102CEOL 接线片	L160
LACS5CE	CC5A20CB	65	65PLUSF20	LA	B101CEOL 或 B102CEOL 接线片	L160
LACS7DE	CC5A40CB	90	90PLUSF20	LA	B101DEOL 或 B102DEOL 接线片	L160

导体尺寸			
电缆	直径（英寸）	直径（毫米）	横截面（平方毫米）
35 平方毫米	0.305	7.8	35
CCA05CB	0.32	8.1	33.2（钢）/6.8（铜）
1 AWG	0.332	8.4	42.4
50 平方毫米	0.365	9.3	50
95 平方毫米	0.505	12.8	95
CC5A20CB	0.524	13.3	43.6（钢）/49.9（铜）
4/0 AWG	0.528	13.4	107.2
120 平方毫米	0.567	14.4	120
300 千圆密耳	0.63	16	152.1
150 平方毫米	0.63	16	150
CC5A40CB	0.651	16.5	56.0（钢）/86.9（铜）
350 千圆密耳	0.681	17.3	177.3
185 平方毫米	0.7	17.8	185

警告

应仅根据 nVent 的产品说明书与培训材料安装并使用 nVent 的产品。可访问 www.nvent.com 获取说明书，或者向您的 nVent 客服代表索取。错误安装、使用不当、滥用或未能完全遵守 nVent 的说明与警告，可能会造成产品故障、财产损失、严重的人身伤害及死亡和/或使得保修服务无效。

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



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