

Galvanized Theft Deterrent Cable



Theft-deterrent composite cables (TDCC) are conductors that function as copper conductors, but appear to be non-copper conductors and are difficult to cut and steal. These conductors are ideal for exposed electrical distribution grounding leads where copper theft may occur. Theft deterrent conductors are difficult to cut with hand tools and the outer steel stranding is magnetic, which further deters thieves looking for copper.

Theft-deterrent cables conductors are either bare or insulated concentric stranded conductors that consist of outer galvanized steel strands that protect and conceal internal tinned copper strands.

Smaller diameter conductors such as a #4 AWG equivalent are ideal for transmission tower, distribution pole and streetlight grounding applications. Larger sizes such as the conductor equivalents to either 2/0 or 4/0 copper conductors are suitable for a wide range of grounding applications.

- Inner copper stranding is tinned for superior corrosion resistance
- Inner copper core provides increased conductivity and flexibility
- More flexible and easier to work with than copper clad steel conductors

Material: Copper, Steel

Finish: Tinned, Electrogalvanized

Part Number	Stranding	Resistance	Fusing Capacity Equivalency	Insulation Thickness	Cable Diameter	Cable Length	Unit Weight
Insulated: No							
CC5A04	(1) Tinned Copper, (6) Galvanized Steel	1.499 Ω/km	16 mm ²	–	8.4 mm	76.2 m	26 kg
CC5A05	(3) Tinned Copper, (16) Galvanized Steel	1.591 Ω/km	16 mm ²	–	8.5 mm	76.2 m	26 kg
CC5A05300M	(3) Tinned Copper, (16) Galvanized Steel	1.591 Ω/km	16 mm ²	–	8.5 mm	300.0 m	106 kg
CC5A05500M	(3) Tinned Copper, (16) Galvanized Steel	1.591 Ω/km	16 mm ²	–	8.5 mm	500.0 m	176 kg
CC5A05SP100M	(3) Tinned Copper, (16) Galvanized Steel	1.591 Ω/km	16 mm ²	–	8.5 mm	100.0 m	41 kg
CC5A20	(133) Tinned Copper, (21) Galvanized Steel	0.320 Ω/km	50 mm ²	–	13.4 mm	61.0 m	50 kg
CC5A30	(133) Tinned Copper, (24) Galvanized Steel	0.249 Ω/km	70 mm ²	–	14.5 mm	61.0 m	61 kg
CC5A40	(133) Tinned Copper, (28) Galvanized Steel	0.188 Ω/km	95 mm ²	–	16.7 mm	61.0 m	78 kg

Part Number	Stranding	Resistance	Fusing Capacity Equivalency	Insulation Thickness	Cable Diameter	Cable Length	Unit Weight
Insulated: Yes							
CC5A20INS	(133) Tinned Copper, (21) Galvanized Steel	0.320 Ω/km	50 mm ²	2.4 mm	13.4 mm	61.0 m	61 kg
CC5A20INSK	(133) Tinned Copper, (21) Galvanized Steel	0.320 Ω/km	50 mm ²	2.4 mm	13.4 mm	304.8 m	288 kg
CC5A30INS	(133) Tinned Copper, (24) Galvanized Steel	0.249 Ω/km	70 mm ²	2.4 mm	14.5 mm	61.0 m	69 kg
CC5A30INSK	(133) Tinned Copper, (24) Galvanized Steel	0.249 Ω/km	70 mm ²	2.4 mm	14.5 mm	304.8 m	367 kg
CC5A40INS	(133) Tinned Copper, (28) Galvanized Steel	0.188 Ω/km	95 mm ²	2.4 mm	16.7 mm	61.0 m	90 kg

Weight does not include reel.

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.erico.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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