

Small Part - Big Performance

Ground straps on machines and systems are among the simplest means to effectively reduce machine and system interferences. The flat ground straps are made of very flexible E-copper which has excellent high frequency characteristics. These characteristics become important on field bus installations when protecting the bus system from stray noises. All networked devices mounted on a machine are recommended to be properly bonded to a machine frame and earth ground.

Ground connection should be as short as possible and have low resistance. Hole diameter, cross section and length are adapted for each application and Murrelektronik product. Ground straps with 16mm² or 25mm² are also excellent for bonding between moving machine parts.

The conventional and time-consuming assembly with cable lugs is no longer necessary. Murrelektronik's pressure-welded ends improve contact and the wires are electrolytically tin-plated, so that copper will not oxidize in a humid environment.

Applications



EMC Filters



Front Panel Interface



IP67 I/O Modules



YOUR ADVANTAGES

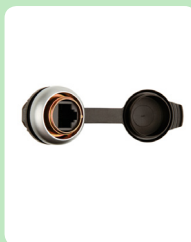
- Stranded E-copper flat cables for grounding provide excellent EMC protection
- Provides protection between many parts
- Wide wire cross section allows for secure earth ground and bonding
- Quick and easy installation
- Zinc-coated to reduce oxidation

MURRELEKTRONIK Related Products

Filter



Panel Pass Through



Outlets



Modlink



Power Supplies



Grounding Straps are Available in a Variety of Lengths and Sizes

Grounding Straps

Application	Cross Section	Length	Hole for	Article Number [†]
EMC Filter MEF	16mm ²	200mm	M6	4000-71001-1620006
EMC Filter MEF	35mm ²			4000-71001-3520006
EMC Filter MEF	50mm ²	300mm	M10	4000-71001-5030010
EMC Filter MEF*	95mm ²			4000-71002-9530010
Modlink MSDD	6mm ²	100mm	M4	4000-71001-0610004
		200mm		4000-71001-0620004
		300mm		4000-71001-0630004
MVK Fieldbus Module, CUBE67 Exp. MVP12 Met., CUBE67 Bus Node	4mm ²	100mm		M3
Grounding & Equipment Bonding	16mm ²	300mm	M6	4000-71001-1630006
		200mm	M8	4000-71001-1620008
	25mm ²	300mm		4000-71001-2530008

*Bare copper

† Package contains one piece.

Mounting Set for Ground Strap

Description	For	Article Number [†]
M3 x 14 for Ground Strap with M3 Hole	M3	4000-71003-0101403
M4 x 16 for Ground Strap with M4 Hole	M4	4000-71003-0101604
M6 x 25 for Ground Strap with M6 Hole	M6	4000-71003-0102506
M8 x 30 for Ground Strap with M8 Hole	M8	4000-71003-0103008
M10 x 35 for Ground Strap with M10 Hole	M10	4000-71003-0103510
M10 x 40 for Ground Strap with M10 Hole	M10	4000-71003-0104010

† Package contains one set. Set consists of 1 x 6-hex screw, 1 x nut, 2 x U-washers, 2 x safety washers, 2 x labels.

Dimension Drawing

Hole for Metric Screw or Centric Screw Thread Bolt

