



Product Highlights

- Operating temperature
-40°C to +125°C
(-40°F to +257°F)
- Self-wrapping design
- Fast and easy installation for local EMI protection
- Stable construction
- Ideal for reworking components without disconnecting them
- Zero Halogen
- EN 45545-2
- UL 94 V0 Raw material
- Cu/Sn metal
(EN13602)
- Good level of EMI shielding
R0 max = 6 mΩ and
Lt = 1.2 nH/m

ROUNDIT® V0 EMI Cu/Sn is a wrap-around sleeving designed for high performance EMI shielding of wire and cable bundles. ROUNDIT V0 EMI Cu/Sn is manufactured from UL 94 V0 rated PPS monofilaments and tin plated copper wires according to EN13602.

The self-wrapping feature of ROUNDIT V0 EMI Cu/Sn allows for quick and easy installation and removal of the product for assembly and maintenance.

The design offers innovative solutions to the protection of breakout areas and also provides ease of removal when inspection or maintenance of cables is necessary.

The stable construction guarantees the same level of EMI shielding regardless of the diameter on which it is installed within the recommended application range.

As an additional benefit, ROUNDIT V0 EMI Cu/Sn enables users to stock a limited range of sizes to cover a wide range of cable and wire diameters.

ROUNDIT V0 EMI Cu/Sn has many applications in the railway, marine and electronics



Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)



As an added benefit, the patented ROUNDIT® Tool will help improve installation time and is designed to install ROUNDIT® products on cable and wire configurations.

Performance Data – ROUNDIT® V0 EMI Cu/Sn

Property	Test Method	Result
PHYSICAL		
Operating Temperature Range		-40°C (-40°F) to +125°C (+257°F)
Fire / Smoke / Toxicity	UL 94 DIN 5510 §2 & 54837 EN 45545-2	Raw material classified V0 S4, SR2, ST2 R22 HL3 R23 HL3
CHEMICAL		
Fluid resistance - Hydraulic fluids: NATO.0.156	EN 6059-303 Immersion for 24hrs at +70°C D47 1924	No visible degradation after being exposed
Salt spray resistance	EN2591-307- 96 hours	Pass

EMI PERFORMANCES	
Resistance Measurement EN 3475-301 R0 max all sizes = 6 mΩ	
Transfer Impedance IEC 62153-4-3 Triaxial method on straight installation Lt = 1.2 nH	

All numeric performance data shows average or typical values. Please consult your sales representative for product drawings, test reports and OEM approvals.

Product Specifications

Commercial Part Number	Nominal Size* (mm)	Recommended Application Range mm (in)		Sleeve Cross Section (mm ²)	Maximum Mass g/m (lb/ft)	Standard Packaging m (ft)
		Min Ø	Max Ø			
ROUNDIT V0 EMI Cu/Sn 8	8	5 (3/16")	8 (5/16")	3.5	41 (0,028)	250 (820')
ROUNDIT V0 EMI Cu/Sn 13	13	8 (5/16")	13 (1/2")	4.8	55 (0,037)	175 (574')
ROUNDIT V0 EMI Cu/Sn 19	19	13 (1/2")	19 (3/4")	5.9	67 (0,045)	125 (410')
ROUNDIT V0 EMI Cu/Sn 25	25	19 (3/4")	25 (1")	6.9	80 (0,054)	75 (246')
ROUNDIT V0 EMI Cu/Sn 32	32	25 (1")	32 (1-1/4")	8.9	105 (0,071)	50 (164')
ROUNDIT V0 EMI Cu/Sn 38	38	32 (1-1/4")	38 (1-1/2")	10.6	120 (0,081)	35 (114')
ROUNDIT V0 EMI Cu/Sn 45**	45	38 (1-1/2")	45 (1-3/4")	11.9	140 (0,094)	35 (114')

*Nominal size is determined by wrapping the product around a mandrel of a given size to obtain 90 degrees of overlap (average value).

** Size 45 has 80 degrees of overlap (average value).

Commercial Part Number

Example	Product Name	Size	Color	Quantity
	ROUNDIT V0 EMI Cu/Sn	13	8 (Light gray)	250 m

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