



EMI

ROUNDIT® V0 EMI

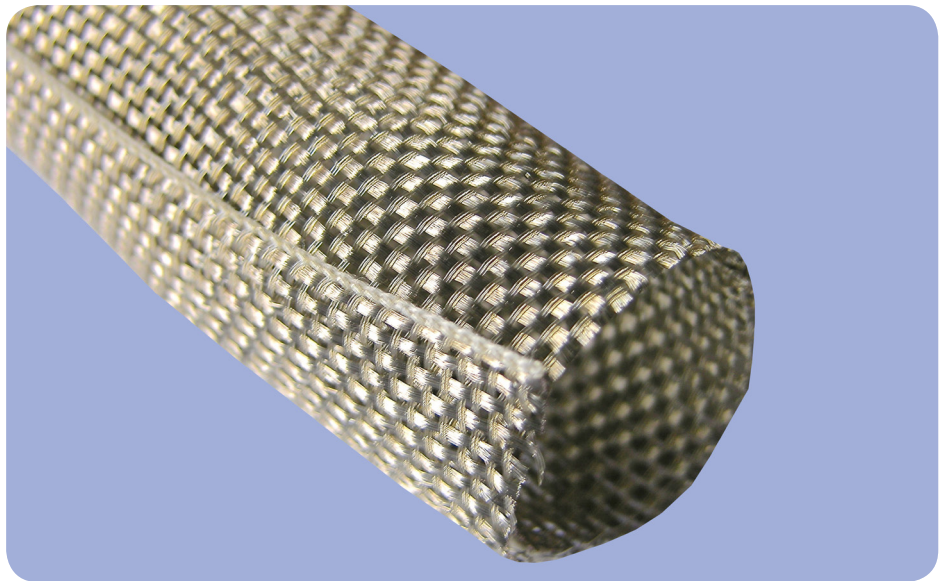
Product Highlights

- Operating temperature
-50°C to +200°C
(-58°F to +392°F)
- Self-wrapping design
- Fast and easy
installation for local
EMI protection
- Stable construction
- Ideal for reworking
components without
disconnecting them
- EN 45545-2
- Zero Halogen
- UL 94 V0 Raw material
- Cu/Ni metal
(ASTM B-355)
- Good level of EMI
shielding
R0 max = 6 mΩ and
Lt = 1.2 nH/m



Our manufacturing sites are certified ISO 9001, ISO/TS 16949, or AS/EN 9100, and ISO 14001

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ROUNDIT® V0 EMI is a wrap-around sleeving designed for high performance EMI shielding of wire and cable bundles. ROUNDIT V0 EMI is manufactured from UL 94 V0 rated PPS monofilaments and nickel plated copper wires class 4 according to ASTM B-355.

The self-wrapping feature of ROUNDIT V0 EMI 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 enables users to stock a limited range of sizes to cover a wide range of cable and wire diameters.

ROUNDIT V0 EMI has many applications in the railway, marine and electronics industries.



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.

BentleyHarris®
Protection Products

Performance Data – ROUNDIT® V0 EMI

Property	Test Method	Result
PHYSICAL		
Operating temperature range		-50°C (-58°F) to +200°C (392°F)
Heat Aging	EN6059-302 (168 hours)	+200°C (392°F)
Fire / Smoke / Toxicity	UL 94 BS6853 DIN 5510 §2 & 54837 EN 45545-2	Raw material classified V0 Zero halogen Toxicity R< 1.0 S4, SR2, ST2 R22 HL3 R23 HL3
Nickel plated copper	ASTM B-355	Nickel plated copper Class 4
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 PERFORMANCE		
Resistance Measurement EN 3475-301 R0 max all sizes = 6 mΩ Transfer Impedance IEC 60096-1 Triaxial method on straight installation Lt = 1.2 nH		

Product Specifications

Commercial Part Number	Nominal Size* (mm)	Recommended Application Range mm (in)		Cross Section (mm ²)	Maximum Mass g/m	Standard Packaging m (ft)
		Min Ø	Max Ø			
ROUNDIT V0 EMI 8	8	5 (3/16")	8 (5/16")	3.5	40	250 (820')
ROUNDIT V0 EMI 13	13	8 (5/16")	13 (1/2")	4.8	55	175 (574')
ROUNDIT V0 EMI 19	19	13 (1/2")	19 (3/4")	5.9	66	125 (410')
ROUNDIT V0 EMI 25	25	19 (3/4")	25 (1")	6.9	80	75 (246')
ROUNDIT V0 EMI 32	32	25 (1")	32 (1-1/4")	8.9	105	50 (164')
ROUNDIT V0 EMI 38	38	32 (1-1/4")	38 (1-1/2")	10.6	120	35 (114')
ROUNDIT V0 EMI 45**	45	38 (1-1/2")	45 (1-3/4")	11.9	140	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 13 8 (light gray) 250 m

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