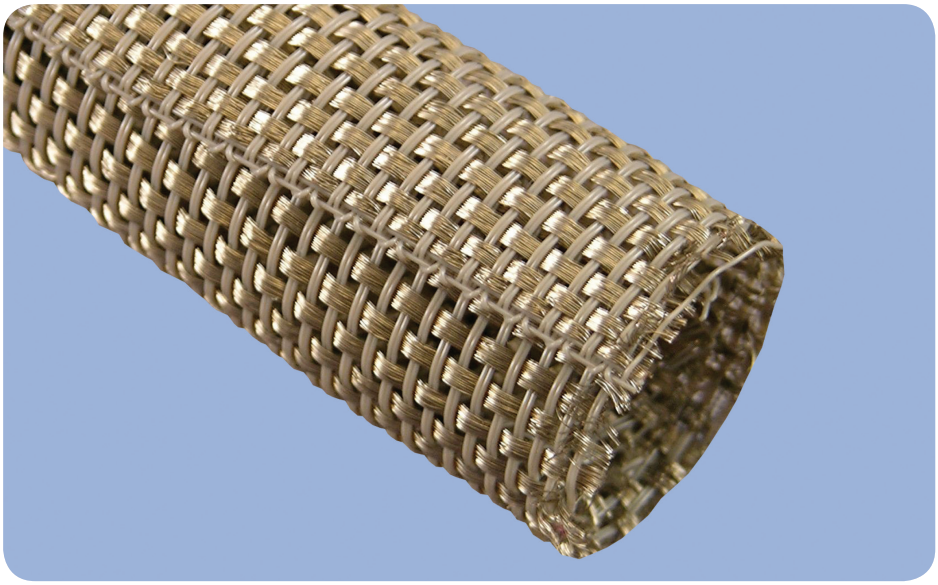
EMI

ROUNDIT® V0 EMI Cu/Sn

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
- 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 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.

RoHS COMPLIANT

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

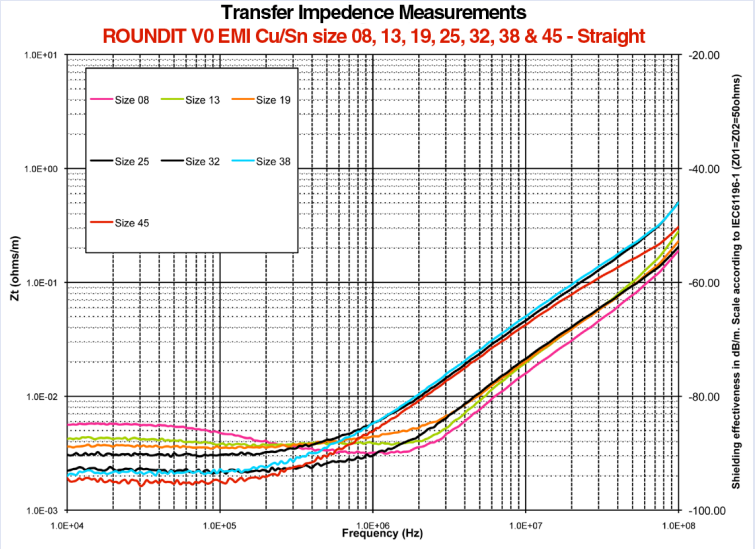
RIV0EMICUSN_11212012

BentleyHarris® Protection Products

FEDERAL MOGUL Systems Protection

iS Rayfast

Performance Data – ROUNDIT® V0 EMI Cu/Sn

Property	Test Method	Result
PHYSICAL		
Operating temperature range		-40°C to +125°C (-40°F to +257°F)
Fire / Smoke / Toxicity	UL 94 DIN 5510 §2 & 54837	Raw material classified V0 S4, SR2, ST2
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 (mm²)	Maximum Mass g/m	Standard Packaging m (ft)
		Min Ø	Max Ø			
ROUNDIT V0 EMI Cu/Sn 8	8	5 (3/16")	8 (5/16")	3.5	40	250 (820')
ROUNDIT V0 EMI Cu/Sn 13	13	8 (5/16")	13 (1/2")	4.8	55	175 (574')
ROUNDIT V0 EMI Cu/Sn 19	19	13 (1/2")	19 (3/4")	5.9	66	125 (410')
ROUNDIT V0 EMI Cu/Sn 25	25	19 (3/4")	25 (1")	6.9	80	75 (246')
ROUNDIT V0 EMI Cu/Sn 32	32	25 (1")	32 (1-1/4")	8.9	105	50 (164')
ROUNDIT V0 EMI Cu/Sn 38	38	32 (1-1/4")	38 (1-1/2")	10.6	120	35 (114')
ROUNDIT V0 EMI Cu/Sn 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 Cu/Sn	13	8 (light gray)	250 m

FEDERAL MOGUL
Systems Protection

Tel: +44(0) 1793616700 • Fax: +44(0) 1793 644304
uksales@is-rayfast.com • export@is-rayfast.com
www.is-rayfast.com
2 Lydiard Fields, Swindon, Wiltshire, SN5 8UB

iS Rayfast