

Roundit EMI FMJ, Full Metal Jacket EMI shielding

Roundit EMI FMJ is a wrap-around sleeving designed for high performance EMI shielding of wire and cable bundles. ROUNDIT EMI FMJ is manufactured from PPS monofilaments and nickel plated copper. The self-wrapping feature of ROUNDIT EMI FMJ 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 EMI FMJ enables users to stock a limited range of sizes to cover a wide range of cable and wire diameters. Thanks to its unique geometry and metal insertion, ROUNDIT EMI FMJ is easy to clamp with existing solutions. ROUNDIT EMI FMJ has many applications in the aeronautical, space and military industries.

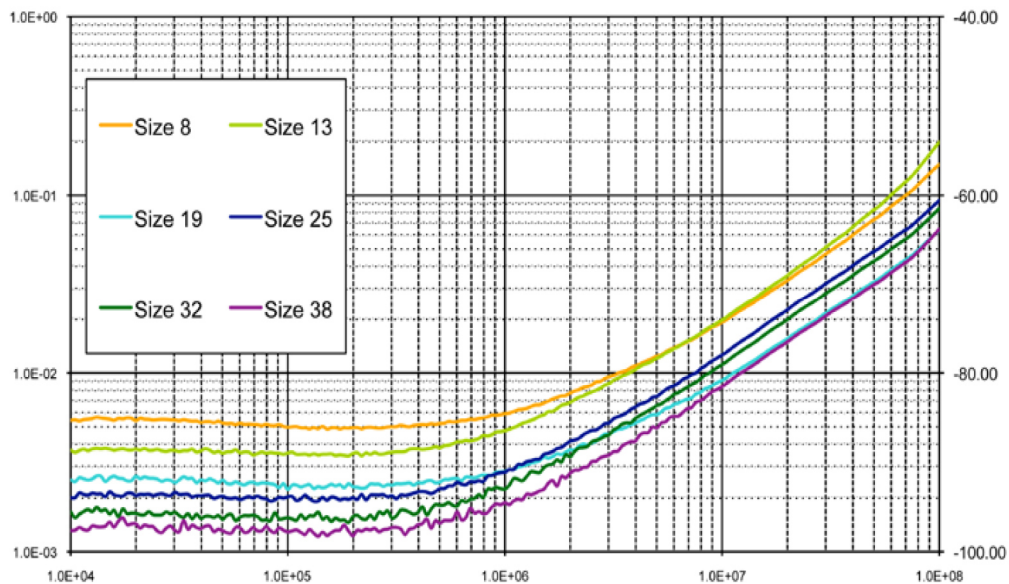
Product facts of Roundit EMI FMJ

- High performance EMI shielding
- Halogen free
- Self-wrapping design
- Easy installation
- Ideal for reworking components without disconnecting them

Dimensions in mm

Part number		Rec. App. Range		Weight	Backshell-Diameter	Packaging
		min.	max.			
ROUNDIT EMI FMJ 8-8	56240 / 56242 00808S	5 (3/16")	8 (5/16")	41	10 (3/8")	250
ROUNDIT EMI FMJ 13-8	56240 / 56242 01308S	8 (5/16")	13 (1/2")	61	16 (5/8")	175
ROUNDIT EMI FMJ 19-8	56240 / 56242 01908S	13 (1/2")	19 (3/4")	87	23 (7/8")	125
ROUNDIT EMI FMJ 25-8	56240 / 56242 02508S	19 (3/4")	25 (1")	110	31 (1 1/4")	75
ROUNDIT EMI FMJ 32-8	56240 / 56242 03208S	25 (1")	32 (1 1/4")	147	40 (1 9/16")	50
ROUNDIT EMI FMJ 38-8	56240 / 56242 03808S	32 (1 1/4")	38 (1 1/2")	173	47 (1 27/32")	35

Property	Test Method	Result
Operating Temperature		-65°C to +200°C
Rapid change of temperature	EN 2591-305	Pass
Flammability / smoke density/ toxicity	FAR Part 25 § 853 & ABD 031 NF 16101 - NF 16102 EN 45545-2	Conforms I3 F0 R22 HL3, R23 HL3
Dynamic cut-through	EN 6059 Part 405	Pass
Bending	EN 6059 Part 402	Pass
Hard Vacuum	ASTM E-595	
- TML (Total Mass Loss)		0.03%
- CVCN (Condensation)		0.01%
- WVR (Water Vapour Recovery)		0.02%
Fluid Resistance	EN 6059-303	Pass
- JP-4 Jet Fuel (NATO F44)		
- Hydraulic Fluid (Skydrol 500 B4)		
- Mineral Oil (MIL-L-7870A)		
- Synthetic Oil (MIL-L-23699)		
- De-Icing Fluid (MIL-A-8243)		
- Cleaning Fluid (MIL-L-87936)		
Salt Spray Resistance (O-S-1926)	EN 2591-307 - 96 hours	Pass
Mould Growth	EN 6059 Part 306	Pass
Lightning	EN 2591-214 - Waveform 1 10KA	Pass



<p>EMI Resistance Measurement EN 3475-301 Ro max size 8 - 5.5 mΩ Ro max other sizes - 5mΩ</p>	<p>Transfer Impedance IEC 62153-4-3 triaxial method on straight installation Lt= 0.6nH</p>
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