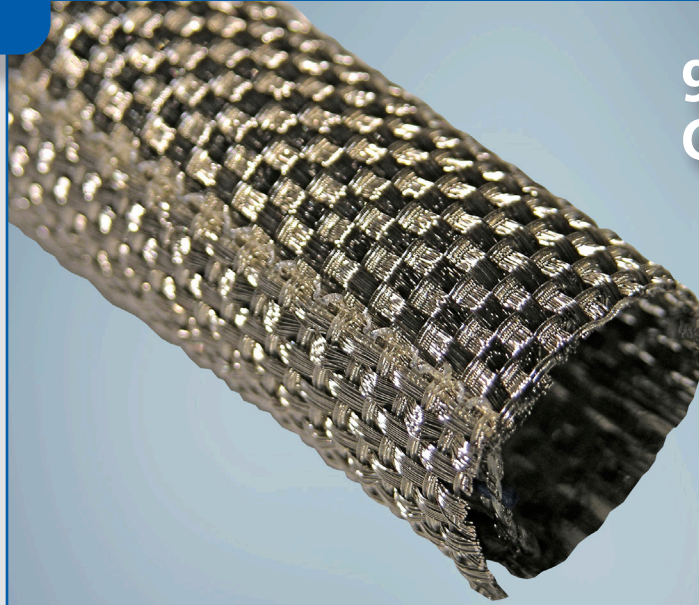


Product Highlights

- Operating temperature from -65°C to +200°C (-85°F to +392°F)
- High Performance EMI Shielding
 - R_o max = 5 mΩ
 - L_t = 0.6 nH/m
- FAR Part 25.853
- Halogen-free
- Self-wrapping design
- EN 45545-2
- Fast and easy installation
- Stable construction
- Ideal for reworking components without disconnecting them
- Blue tracer line indicating the maximum operating diameter
- Cu/Ni metal (ASTM B-355)



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



95% Optical Coverage

ROUNDIT® EMI FMJ (Full Metal Jacket) is a wrap-around sleeving designed for highperformance 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.

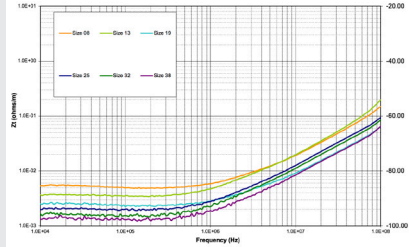
Thanks to its unique geometry and metal insertion, ROUNDIT EMI FMJ is easy to clamp with existing solutions.

ROUNDIT EMI FMJ has many applications in the aeronautical, space and military industries.



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® EMI FMJ

| Property | Test Method | Result |
|---|---|---|
| PHYSICAL | | |
| Operating temperature range | Thermal endurance & shocks | -65°C to +200°C (-85°F to +392°F) |
| Rapid change of temperature | EN 2591-305 | Pass |
| Flammability/smoke density/toxicity | FAR Part 25 § 853 & ABD 031 NF16101-16102 EN 45545-2 | Conforms I3 F0 R22 HL3 R23 HL3 |
| MECHANICAL | | |
| Dynamic cut-through | EN 6059 Part 405 | Pass |
| Bending | EN 6059 Part 402 | Pass |
| Hard Vacuum Total Mass Loss (TML) Collected Volatile Condensable Material (CVCM) Water Vapor Recovery (WVR) | ASTM E-595 | Meets industry standards 0.03% 0.01% 0.02% |
| CHEMICAL | | |
| Fluid Resistance Jet Fuel: JP4 (NATO F44), Hydraulic Fluid: Skydrol 500 B4, Mineral Oil: MIL-L-7870A, Synthetic Oil: MIL-L-23699, Cleaning fluids: MIL-L87936, De-icing Fluid: MIL-A-8243 | EN 6059-303 | Pass |
| Salt spray resistance | EN 2591-307 – 96 hours | Pass |
| Mould Growth | EN 6059 Part 306 | Pass |
| EMI PERFORMANCE | | |
| Resistance Measurement EN 3475-301 Ro max size 8 - 5.5 mΩ Ro max other sizes - 5 mΩ Transfer Impedance IEC 62153-4-3 Triaxial method on straight installation Lt = 0.6 nH |  | |
| Lightning | EN 2591-214 – Waveform 1 10KA | Pass |

Product Specifications

| Commercial Part Number | Recommended App. Range mm (in) | | Typical Weight g/m (lbs/ft) | Maximum Weight g/m (lbs/ft) | Maximum Backshell Diameter mm (in) | Standard Packaging m (ft) | Packaging for Space Applications m (ft) |
|------------------------|--------------------------------|-------------|-----------------------------|-----------------------------|------------------------------------|---------------------------|---|
| | Min Ø | Max Ø | | | | | |
| ROUNDIT EMI FMJ 8-8 | 5 (3/16") | 8 (5/16") | 40 (0.027) | 42 (0.028) | 10 (3/8") | 250 (820') | 100 (328') |
| ROUNDIT EMI FMJ 13-8 | 8 (5/16") | 13 (1/2") | 60 (0.040) | 63 (0.042) | 16 (5/8") | 175 (574') | 50 (164') |
| ROUNDIT EMI FMJ 19-8 | 13 (1/2") | 19 (3/4") | 85 (0.057) | 89 (0.060) | 23 (7/8") | 125 (410') | 25 (82') |
| ROUNDIT EMI FMJ 25-8 | 19 (3/4") | 25 (1") | 107 (0.072) | 111 (0.074) | 31 (1-1/4") | 75 (246') | 25 (82') |
| ROUNDIT EMI FMJ 32-8 | 25 (1") | 32 (1-1/4") | 144 (0.096) | 150 (0.101) | 40 (1-9/16") | 50 (164') | 25 (82') |
| ROUNDIT EMI FMJ 38-8 | 32 (1-1/4") | 38 (1-1/2") | 169 (0.113) | 176 (0.118) | 47 (1-27/32") | 35 (115') | 25 (82') |
| ROUNDIT EMI FMJ 50-8 | 38 (1-1/2") | 50 (2") | 248 (0.167) | 266 (0.179) | 65 (2-1/2") | 25 (82') | 25 (82') |
| ROUNDIT EMI FMJ 5-8 | 1 (1/32") | 5 (3/16") | 30 (0.020) | 35 (0.023) | 6 (1/4") | 250 (820') | 100 (328') |

Note: Size 5 is designed for cross-talk applications and complies with a maximum R0 at 8 mΩ and a Lt at 1.3 nH. This size is delivered with a white ivory line for maximum operating diameter identification. Lightning strike exposure upon request.

Part Numbering System

| Example | Product Name | Size | Color | Quantity |
|---------|-----------------|------|----------------|----------|
| | ROUNDIT EMI FMJ | 8 | 8 (Light gray) | 100 m |



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