

PROTECTIVE SLEEVING

Roundit™ 2000NX EMI Cu/Ni

Flame Retardant Wrap-around Protective Sleevings

Applications

Roundit 2000NX EMI Cu/Ni is a wrap-around sleeving designed for mechanical protection and EMI shielding of wire and cable bundles. The outer layer which supplies the abrasion resistance is manufactured from PPS monofilaments and Nomex with an oil and water repellent treatment, while the inner layer is made of nickel plated copper which provides EMI insulation.

The outer layer construction with 100% covering ratio provides excellent cut-through and abrasion resistance.

Roundit 2000NX EMI Cu/Ni is also available with an internal layer of PTFE tape thus allowing wire harnesses to be protected from the metal.

The self-wrapping feature of Roundit 2000NX EMI Cu/Ni 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.

As an additional benefit, Roundit 2000NX EMI Cu/Ni enables users to stock a limited range of sizes to cover a wide range of cable and wire diameters.

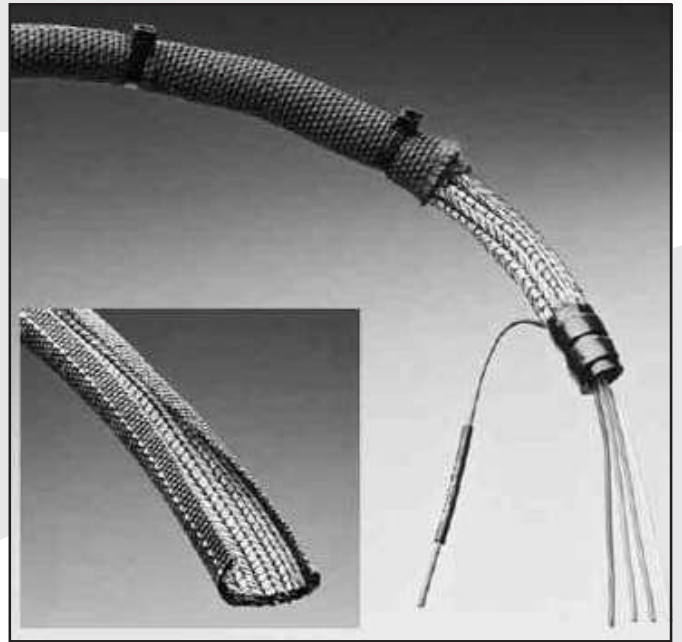
Roundit 2000NX EMI Cu/Ni has many applications in the aeronautical and military industries.

Features & Benefits

- High Performance EMI Shielding
- Excellent cut-through and abrasion resistance
- Halogen Free
- Self-wrapping Design
- Ideal for reworking harness systems without having to disconnect connectors
- Tracer indicating the maximum operating diameter
- Oil and water repellent
- Salt spray resistant (500 hours)

Operating Temperature

- -60°C to +200°C



Roundit™ 2000NX EMI Cu/Ni

Flame Retardant Wrap-around Protective Sleevings

Technical Performance

Properties	Test	Results
Physical		
Operating temperature range	Thermal endurance & shock	-60°C to +200°C
Rapid change of Temperature	EN2591-305	Pass
Flammability/smoke density/toxicity	ABD 031 & FAR 25 § 853	Conforms
Water repellency	EN6059 Part 305	Pass
Mechanical		
Abrasion resistance	EN 6059 Part 403	Pass
Dynamic cut-through	EN 6059 Part 405	Pass
Chemical		
Fluid Resistance	EN 6059-303	
• Jet Fuel: JP4 (Nato F44)		Good resistance
• Hydraulic Fluid: Skydrol 500 B4		Good resistance
• Mineral Oil: MIL-L-7870A		Good resistance
• Synthetic Oil: MIL-L-23699		Good resistance
• Cleaning Fluids: MIL-L87936		Good resistance
• De-Icing Fluid: MIL-A-8243		Good resistance
• Oil and Water		Good resistance
Salt Spray resistance (500 hours)	EN 2591-307 500 hours ASTM B355	Pass Class 27 Nickel Plated
Copper		
Mould Growth	EN 6059 Part 306	Pass

Roundit 2000NX EMI Cu/Ni Dimensions (all dimensions are in mm's)

Description	Max. Wire Harness Size (mm)	Max. Weight (g/m)	Max. Weight (with PTFE layer) (g/m)	Standard Packaging (m)	Max. backshell Diameter (mm)
Roundit-2000-NX-EMI-*- 5-5	6	61	65.5	50	9.5
Roundit-2000-NX-EMI-*-6-5	6	83	90	50	10
Roundit-2000-NX-EMI-*-11-5	11	92	102	50	14.8
Roundit-2000-NX-EMI-*-17-5	17	149	165	25	23
Roundit-2000-NX-EMI-*-23-5	23	175	196	25	30.4
Roundit-2000-NX-EMI-*-30-5	30	235	262	25	39.3
Roundit-2000-NX-EMI-*-38-5	38	305	339	25	49

Note: * = A: Cu/Ni without internal PTFE layer.

* = B: Cu/Ni with internal PTFE layer.

Ordering Information

Standard colours: 5 = Olive Green

Ordering description: Specify product name, size and colour required. e.g ROUNDIT-2000-NX-EMI-A-5-5

Ordering Example: An olive protective sleeve capable of covering a 15mm cable bundle diameter is required **ROUNDIT-2000-NX-EMI-A-17mm-5**