

PROTECTIVE SLEEVING

Roundit® 2000NX EMI Cu/Ni

Flame retardant

wrap-around protective sleeving

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 break-out 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.

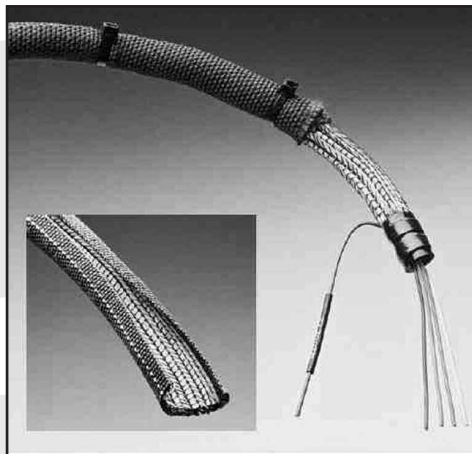
Roundit® 2000NX EMI Cu/Ni has many applications in the aeronautical and military industries.

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



Approvals

- EN 6049-008



Technical Performance

Properties	Test	Results
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
Abrasion resistance	EN 6059 Part 403	Pass
Dynamic cut-through	EN 6059 Part 405	Pass
Fluid Resistance		
Jet Fuel: JP4 (Nato F44)	EN 6059-303	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	Pass
	ASTM B355	Class 27 Nickel Plated
Mould Growth	EN 6059 Part 306	Pass

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

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

Note: When * = **A** the sleeving comes without internal PTFE layer
 When * = **B** the sleeving comes with internal PTFE layer

Ordering Information

Standard colours: Olive-green
 Ordering description: Specify product name, size and colour: ROUNDIT-2000-NX-EMI-A-5-Green
 Ordering example: An olive-green protective sleeve capable of covering a 15mm cable bundle diameter is required = ROUNDIT-2000-NX-EMI-A-17-Green