



EMI

ROUNDIT® EMI DW

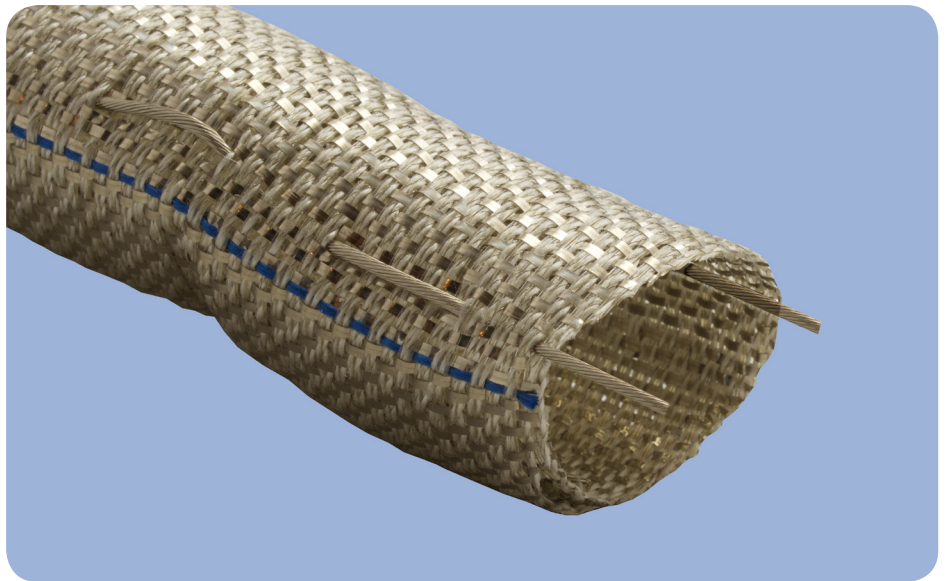
Product Highlights

- Operating temperature
-50°C to +200°C
(-58°F to +392°F)
- Self-wrapping design
- Fast and easy installation for local EMI protection
- Stable construction
- Integrated drain wires for easy grounding without accessories
- Ideal for reworking components without disconnecting them
- Zero Halogen
- UL 94 V0 Raw material
- Cu/Ni Metal
(ASTM B-355 nickel plated copper)
- Good level of EMI shielding
 $R_0 \text{ max} = 6 \text{ m}\Omega$
and $L_t = 1.2 \text{ nH/m}$



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

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ROUNDIT® EMI DW is a wrap-around sleeving designed for high performance EMI shielding of wire and cable bundles. ROUNDIT EMI DW is manufactured from UL 94 V0 rated PPS monofilaments and nickel plated copper wires according to ASTM B-355 .

The self-wrapping feature of ROUNDIT EMI DW allows for quick and easy installation and removal of the product for assembly and maintenance.

The textile pattern incorporates drain wires which once pulled out of the construction by a simple manual operation can be crimped to a nearby grounding point.

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 DW enables users to stock a limited range of sizes to cover a wide range of cable and wire diameters.

ROUNDIT EMI DW 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.

BentleyHarris®
Protection Products

Performance Data – ROUNDIT® EMI DW

Property	Test Method	Result
PHYSICAL		
Operating temperature range		-50°C (-58°F) to +200°C (392°F)
Heat Aging	EN6059-302 (168 hours)	+200°C (392°F)
Fire / Smoke / Toxicity	UL 94 EN 45545	Raw material classified V0 R22: HL3 R23: HL3
Nickel plated copper	ASTM B-355	Nickel plated copper
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 62153-4-3 Triaxial method on straight installation Lt = 1.2 nH		

Product Specifications

Commercial Part Number	Nominal Size (mm)	Recommended Application Range mm (in)		Sleeve Cross Section (mm ²)	Drain Wire Cross Section (mm ²)	Standard Packaging m (ft)
		Min Ø	Max Ø			
ROUNDIT EMI DW 19-8	19	13 (1/2")	19 (3/4")	4.5	2 x 1.23	50 (164')
ROUNDIT EMI DW 25-8	25	19 (3/4")	25 (1")	5.1	3 X 1.23	50 (164')
ROUNDIT EMI DW 32-8	32	25 (1")	32 (1-1/4")	7.7	3 X 1.23	50 (164')
ROUNDIT EMI DW 45-8	45	32 (1-1/4")	45 (1-3/4")	10.4	3 X 1.23	35 (115')

Commercial Part Number

Example:	Product Name	Size	Color	Quantity
	ROUNDIT EMI DW	45	8 (light gray)	35 m



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