



Roundit™ V0 EMI

Project Datasheet

Product Highlights

- Working Temperature -50°C to +125°C
- Self-wrapping design
- Self extinguishable
- Zero Halogen
- UL 94 V0 Raw material
- Cu/Sn metal
- EMI protection



Typical Applications

- Easy installation for local EMI protection
- Ideal for protecting in between connectors without disconnecting them

Roundit V0 EMI is a wrap-around sleeving designed for EMI shielding of wires and cable bundles. Roundit V0 EMI is manufactured from UL 94 V0 rated polyester monofilaments and tin plated copper wires.

The self-wrapping feature of Roundit V0 EMI allows for quick and easy installation and removal of the product for assembly and maintenance. Roundit V0 EMI may be installed or removed without any manipulation of connectors or fittings and is an ideal solution where breakouts are necessary.

To ease installation, a special assembly tooling, "Roundit-Tool" has been designed.

Roundit V0 EMI has many applications in the railway, marine and electronic 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.



Our manufacturing sites are certified ISO 9000, QS 9000 or ISO/TS 16949 and ISO 14001

E_RV0EMI 21/02/2008

Performance Data - Roundit™ V0 EMI

| Property | Test Method | Result |
|---|---|--|
| Working temperature | | -50°C to +125°C |
| Filament melt temperature | | +240°C |
| Fire / Smoke / Toxicity | UL 94 NF 16 101- 16 102 DB DIN 5510 §2 & 54837 UNI CEI 1170-3 Ed 2005 BS ASTM E 662 – ASTM E 162 | Raw material classified V0 Pending Zero halogen S4, SR2, ST2 Upon request Pending Pass |
| EMI Performances | IEC 62 153-44 | 50 kHz to 500 kHz = 65 dB* 500 kHz to 1 MHz = 60 dB* *tested on size 38 |
| Fluid resistance: - Hydraulic fluids: NATO.0.156 | EN 6059-309 Immersion for 24hrs at +70°C | No visible degradation after being exposed |

Sizes

| Description | Nominal Size * (mm) | Standard Packaging (m) | Maximum Mass (g/m) |
|-------------------|------------------------|---------------------------|-----------------------|
| Roundit V0 EMI 8 | 8 | 50 | 41 |
| Roundit V0 EMI 13 | 13 | 50 | 52 |
| Roundit V0 EMI 19 | 19 | 25 | 73 |
| Roundit V0 EMI 25 | 25 | 25 | 80 |
| Roundit V0 EMI 32 | 32 | 25 | 102 |
| Roundit V0 EMI 38 | 38 | 25 | 121 |
| Roundit V0 EMI 45 | 45 | 25 | 145 |

*Nominal size is determined by wrapping the product around a mandrel of a given size to obtain 90 degrees of overlap (average value).

Part Numbering System

Example: Description Size Color Quantity

Roundit V0 EMI 13 8 (Light grey) 50 m

Availability

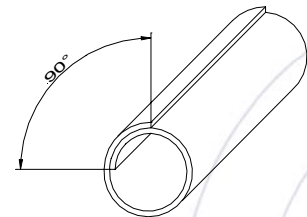
Roundit V0 EMI is available in different sizes from 5 to 45 mm. The standard color is light grey.

Roundit V0 EMI is supplied on card-board spool.

Packaging following GALIA (ODETTE) standard.

A professional assembly tool "ROUNDIT-TOOL" is available on request for sizes 5, 8, 13 and 19

All numeric data shows average or typical value.



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