

A premium grade flame-retarded polyolefin heat-shrinkable tubing.

Outstanding all round performance, excellent physical and electrical performance, good chemical and solvent resistance, flexible.

RNF-100 is a premium grade polyolefin based heat-shrinkable tubing with an outstanding overall balance of properties. The product has a wide range of both military and

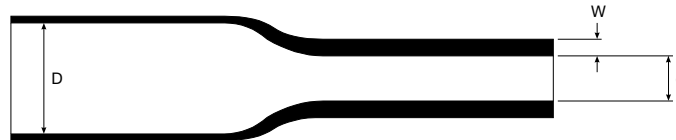
industrial approvals. RNF-100 tubing possesses a unique blend of physical, chemical and electrical properties and is suitable for a wide range of applications.

Used extensively in military applications for lightweight harness jackets, insulation, color coding, identification, protection against fluids and provides mechanical strength.

Temperature rating

| | |
|------------------------------------|-----------------|
| Operating temperature range: | -55°C to +135°C |
| Minimum shrink temperature: | +95°C |
| Minimum full recovery temperature: | +121°C |

Ordering information



| Inside diameter | Wall thickness | Standard package | | | |
|----------------------|-------------------------|-------------------------|-----------------|----------------|---|
| D (min) | d (max) | W (nom) | 1.22m | | |
| Expanded as supplied | Recovered after heating | Recovered after heating | Length quantity | Spool quantity | Ordering description |
| mm | mm | mm | m | m | |
| 1.2 | 0.6 | 0.45 | 60 | 300 | RNF-100- ³ / ₆₄ -color code |
| 1.6 | 0.8 | 0.45 | 60 | 300 | RNF-100- ¹ / ₁₆ -color code |
| 2.4 | 1.2 | 0.50 | 60 | 150 | RNF-100- ³ / ₃₂ -color code |
| 3.2 | 1.6 | 0.50 | 60 | 150 | RNF-100- ¹ / ₈ -color code |
| 4.8 | 2.4 | 0.50 | 60 | 150 | RNF-100- ³ / ₁₆ -color code |
| 6.4 | 3.2 | 0.65 | 30 | 75 | RNF-100- ¹ / ₄ -color code |
| 9.5 | 4.8 | 0.65 | 30 | 121 | RNF-100- ³ / ₈ -color code-FSP* |
| 12.7 | 6.4 | 0.65 | 30 | 90 | RNF-100- ¹ / ₂ -color code-FSP* |
| 19.0 | 9.5 | 0.75 | 30 | 60 | RNF-100- ³ / ₄ -color code-FSP* |
| 25.4 | 12.7 | 0.90 | 30 | 60 | RNF-100-1-color code-FSP* |
| 31.0 | 16.0 | 0.95 | 12 | 30 | RNF-100-1 ¹ / ₄ -color code |
| 38.0 | 19.0 | 1.00 | 12 | 91 | RNF-100-1 ¹ / ₂ -color code |
| 51.0 | 25.4 | 1.15 | 6 | 30 | RNF-100-2-color code |
| 76.0 | 38.0 | 1.25 | 6 | 15 | RNF-100-3-color code |
| 102.0 | 51.0 | 1.40 | 6 | 15 | RNF-100-4-color code |
| 127.0 | 63.5 | 1.52 | 6 | 30 | RNF-100-5-color code** |

*Material supplied on Flat Spooled Packaging (FSP) as standard.

**Only available in black.

Standard colors

| Standard color | Clear | Black | Red | Yellow | Green | Blue | White |
|--------------------|-------|--------|--------|--------|-------|------|-------|
| Code | X | 0 | 2 | 4 | 5 | 6 | 9 |
| Non Standard color | Brown | Orange | Violet | Grey | | | |
| Code | 1 | 3 | 7 | 8 | | | |

Approvals

| | |
|------------------------------|---|
| *UL File E35586 | Def Stan 59-97 Type 2b |
| *CSA LR31929 | MIL-DTL-23053/5 Class 1 (colors), Class 2 (Clear) (exclude 1- ³ / ₄) |
| VG 95343 Part 5 Type A and B | BS 4G-198 Part 3 11B |
| VDE 0341/Pt 9005 | |

* Not clear product (X).

Performance

| Test | Test method | Test requirement |
|-----------------------|---|--|
| Heat Ageing: | ISO 188 (168h at 175°C) | Ultimate elongation: 150% (min) |
| Corrosion resistance: | ASTM D2671 (16h at 175°C) | No corrosion of mirrors |
| Dielectric strength: | IEC 243 | Ø ≤ 25.4 20 MV/m Ø > 25.4 10 MV/m |
| Flame retardancy: | ASTM D876 UL 224 (All tube flame test) | Duration of burning 30s max |
| Fluid resistance: | 24 h at 23°C, ISO 37 | Tensile strength: 7 MPa (min) Ultimate elongation: 200% (min) |
| Test fluids: | Aircraft fuel to ISO1817 liquid B Phosphate ester ISO1817 liquid 103 Lubricating oil ISO1817 liquid 101 | |

For full product performance details consult Raychem Specification RK 6001.

Specifications

Raychem Specification RK 6001.

Material Safety Data Sheet available on request.

Installation instructions available on request.

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Users should independently evaluate the suitability of the product for their application.

| | | | |
|--|---|--|--|
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|--|---|--|--|

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- Поставка более 17-ти миллионов наименований электронных компонентов;
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- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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