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RNF-100-1/4-BK-STK Product Details   Share   Print   Email

RNF-100-1/4-BK-STK

TE Internal Number:
5053092267
Active

Heat Shrink Tubing

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:
- Heat Shrinkable Tubing
- Product Name = RNF-100
- Product Source = U.S.
- Flexible
- Thin Wall Style

View all Features

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Documentation & Additional Information

Product Drawings:
- None Available

Catalog Pages/Data Sheets:
- RAYCHEM_TUBING_CATALOG_PRODUCTS_R (PDF, English)

Product Specifications:
- THERMOFIT RNF-100 TUBING Polyolefin, Flexible, Heat-... (PDF, English)

Application Specifications:
- None Available

Instruction Sheets:
- None Available

CAD Files:
- None Available

List all Documents

Related Products:
- Tooling

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:
- Product Type = Heat Shrinkable Tubing
- Color = Black

Dimensions:
- Expanded ID, Min. (mm [in]) = 6.40 [0.252]
- Recovered ID, Max. (mm [in]) = 3.20 [0.126]
- Cut Length (mm [in]) = 1220.00 [48.031]

Body Features:
- Product Name = RNF-100
- Pliancy = Flexible
- Wall Style = Thin
- Wall Type = Single
- Material = Crosslinked Polyolefin
- Shrink Ratio = 2:1
- Fluid Type = Aviation Fuel, Brake Fluid, Chemicals/Solvents, Hydraulic Fluid, Lubricating Oil, Water
- Resistant To = Abrasion, Fluids, Mechanical

Printer/Label Features:
- Voltage Rating (kV) = 0.6

Environmental:
- Fluid Resistance = Splash Protection
- Operating Temperature (°C) = -55 − +135

Conditions for Usage:
- Full Recovery Temperature (°C) = 121
- Shrink Temperature, Min. (°C) = 95
- High Temperature Compatible = No

Operation/Application:
- Application = Cable Jacketing, Color Coding, Identification, Insulation and Protection, Wire Bundling, Wire Protection Sleeve
- Emission Free = No
- Product Use = Cables, Harnesses, Wire Terminations

Damage, Strain
- Wall Thickness - Full Recovery (Nominal) (mm [in]) = 0.64 [0.025]

Housing Features:
- Material Systems = No

Configuration Features:
- Modification = Surface Marked

Industry Standards:
- Government/Industry Qualification = No
- Flammability Rating Type = Flame-Retardant
- UL Rating = Recognized
- CSA Certified = Yes
- Approved Standards = CSA LR31929, SAE AMS-DTL-23053/5 Class 1, UL E35586
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant

Packaging Features:
- Packaging Method = Stick

Product Availability:
- Product Source = U.S.

Other:
- Brand = Raychem

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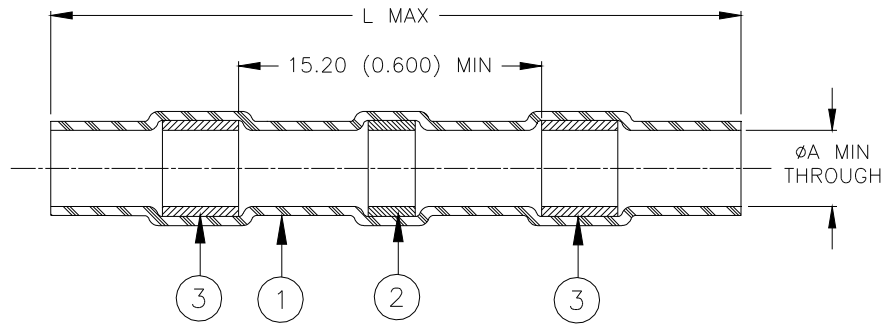Product Cross Reference

Documents & Drawings

Product Compliance Support Center

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SPECIFICATION CONTROL DRAWING

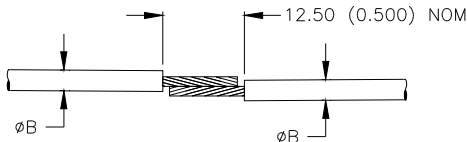| Product Revision		Size Code	Product Dimensions		Conductor Dimensions		Selection Guide			
Product Name		Color Items 3	L max	øA min	øB		Total mm²		Total CMA	
					min	max	min	max	min	max
CWT-9001	C	Clear	26.0 (1.025)	1.7 (0.065)	0.4 (0.015)	1.7 (0.065)	0.3	0.8	450	1500
CWT-9002	B	Red	42.0 (1.655)	2.7 (0.105)	1.3 (0.050)	2.7 (0.105)	0.8	2.0	1250	3500
CWT-9003	B	Blue	42.0 (1.655)	4.5 (0.180)	1.8 (0.070)	4.5 (0.180)	2.0	4.0	2500	7200
CWT-9004	B	Yellow	42.0 (1.655)	6.0 (0.235)	2.8 (0.110)	6.0 (0.235)	4.0	6.0	6100	19000
CWT-9005	B	Grey	42.0 (1.655)	7.0 (0.275)	3.2 (0.125)	7.0 (0.275)	6.0	10.0	12000	25000

MATERIALS
1. INSULATION SLEEVE: Heat-shrinkable, radiation cross-linked modified polyolefin. Transparent clear.
2. SOLDER PREFORM WITH FLUX:
    SOLDER: TYPE CD18 per ANSI/J-STD-006.
    FLUX: TYPE ROM1 per ANSI/J-STD-004.
3. MELTABLE RINGS: Thermally stabilized thermoplastic. Color: see table.

APPLICATION
1. These controlled soldering devices are designed to splice tin-plated or bare copper stranded wires rated for at least +85°C.
2. Temperature range: -55°C to +125°C.
3. For installation procedure and application equipment consult RPIP-824-00.

For best results, prepare the wires as shown: