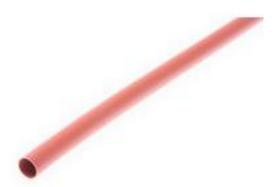


ENGLISH

Datasheet

RS Pro Brown Heat Shrink Tubing sleeve diameter 4.8mm length 1.2m ratio 2:1 RS Stock No: 537-8011



Product Details

RS Pro heat shrink tubing sleeve in brown colour, has 4.8 mm diameter and 1.2 m length with a ratio of 2:1. The new harmonised colours are available in all sizes to support IEE regulations on phase colours to BS 7671. It is used as an over sleeve and it can up-grade your cables to meet the latest fire safety standards as well. Zero halogen heat shrink exceeds the requirements of London Underground and the MOD and is recommended where fire safety is of prime importance. This sleeve is used in areas such as public buildings, public transport, underground rail systems, submarines, hospitals and airports, etc. The tubing sleeve meets E 1042-A6-March 2002, IEC 60684-3-216 type C, DEF Stan. 59-97 issue3 Type 8 and BS3G 198 part 3 type 15 standards.

Features and Benefits

- Highly flame retardant with a flame temperature index of over 350°C
- Halogen free
- Very low smoke, meets LUL requirements
- No toxic fume emission
- High oxygen index, over 40%
- Ideal for use in insulation, cable protection, cable identification and encapsulation on connectors
- Used as a cover to upgrade cable to meet full fire safety standards
- Supplied in cut lengths of 1.2 m

RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.



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Specifications:

Adhesive Lined	No	
Angle	Straight	
Colour	Brown	
Dielectric Strength	30 kV/mm	
Flame Retardant	Yes	
Halogen Free	Yes	
Material	Polyolefin	
Maximum Operating Temperature	+105°C	
Minimum Operating Temperature	-40°C	
Operating Temperature Range	-40 to +105°C	
Shrink Ratio	2:1	
Shrunk Diameter	2.4 mm	
Sleeve Diameter	4.8 mm	
Sleeve Length	1.2 m	
Sleeve Type	Heat Shrink	
Standards Met	E1042-A6-March 2002, IEC 60684-3- 216 Type C, BS3G 198 Part 3 Type 15, DEF 59-97 Issue3 Type 8, RoHS Compliant	



SPECIFICATION VALUES

PROPERTY (UNITS)	TEST METHOD	REQUIREMENT
Physical: Tensile strength (psi) Elongation (%) Specific gravity Low temperature flex. (-55°C) Heat shock (225°C, 4 hrs.) Heat resistance (150°C, 168 hrs.)	ASTM D638 ASTM D638 ASTM D792 AMS-DTL-23053 AMS-DTL-23053	1500 min 200 min. 1.5 nom. no cracking no cracking
Elongation (%) Secant modulus (psi) Longitudinal change (%)	ASTM D638 ASTM D882 AMS-DTL-23053	100 min. 2.5 X 10⁴ max. +5 to -15
Electrical: Dielectric strength (volts/mil) Volume resistivity (ohm-cm)	ASTM D876 ASTM D876	500 min. 1 X 10 ¹³ min.
Chemical: Copper mirror corrosion (175°C 168 hrs.) Water absorption (%) Fluid resistance (23°C, 24 hrs.) MIL-T-5624 MIL-H-5606 MIL-L-23699 MIL-L-7808 MIL-A-8243	AMS-DTL-23053 ASTM D570	no corrosion 1.0 max.
O-S-1296 Tensile strength (psi) Dielectric strength (volts/mil) Flammability	ASTM D638 ASTM D876 AMS-DTL-23053 (4.6.15.1)	1000 min., except 800 min. for MIL-T-5624 400 min. 60 seconds max.
Smoke index (D _m)	ASTM E 662 MIL-C-24643	flaming mode 70 max. non-flaming mode 100 max. 0.2 max.
Acid gas generation (as hydrogen halides), %		0.2 max.