ENGLISH

Datasheet

RS Pro Brown Heat Shrink Tubing sleeve diameter 9.5mm length 1.2m ratio 2:1

RS Stock No: **537-8061**

Product Details

RS Pro heat shrink tubing sleeve in brown colour, has 9.5 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	4.8 mm
Sleeve Diameter	9.5 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

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SPECIFICATION VALUES

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