

# A4(3x)

**Flexible Polyolefin**  
**UV Resistant**  
**Non-reflective matte finish**  
**Irradiation cross linked**

# 3:1 SHRINK RATIO

	Specification Reference
UL	
VW-1	
CSA	
MIL Spec	

## FEATURES

Description	A4(3x) is a flexible polyolefin heat shrinkable tubing that is weather(UV) and chemical resistant. It has good electrical properties.
Uses	A4(3x) is recommended for all general purpose applications that require inspection or legibility of the object being covered. Lightweight harnessing, strain relief and insulation of solder and crimp connections. 3:1 shrink ratio will accommodate large or irregular items.
Operating temp	-55°C to +105°C
Shrink temp	115°C
Standard Put-up	Spool
Marking	n/a

## SPECIFICATIONS

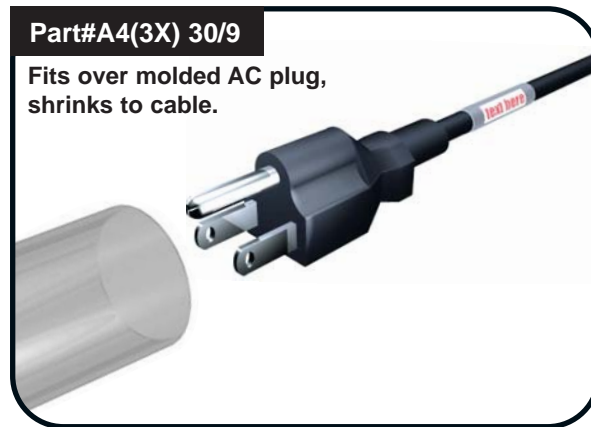
	Property (units)	Test Method	Requirements
Physical	Tensile strength (psi)	ASTM D638	1500 min
	Elongation (%)	ASTM D638	200 min
	Specific gravity	ASTM D792	1.0 max
	Low temp. flex (-55°C)	AMS-DTL-23053	No cracking
	Heat resistance (136°C, 168 hrs.), Elongation (%)	ASTM D638	100 min
	Secant modulus (psi)	ASTM D882	25,000 max
	Longitudinal change (%)	AMS-DTL-23053	+5, -15
Electrical	Dielectric strength (volts/mil)	ASTM D876	500 min
	Volume resistivity (ohm-cm)	ASTM D876	1.0 x 10 <sup>15</sup> min
Chemical	UV color stability (3000 hrs.)	Weather-o-meter	No color reduction
	UV resistance (3000 hrs.)	Weather-o-meter	No color reduction
	Elongation (%)		100 min
	Water absorption (%)	ASTM D570	0.2 max
	Fluid resistance (23°C, 24 hrs.) tensile strength (psi)	AMS-DTL-23053	1000 min
	Flammability		n/a
	Shrink temp. (nominal)		115°C

## PRODUCT DIMENSIONS

(minimum) Inside Diameter Before Shrinking	(maximum) Inside Diameter After Shrinking	Post Shrink Wall Thickness
20mm ( 0.787" )	6mm ( 0.236" )	1.14mm ( 0.045" )
30mm ( 1.181" )	9mm ( 0.354" )	1.14mm ( 0.045" )
40mm ( 1.575" )	12mm ( 0.472" )	1.14mm ( 0.045" )
53mm ( 2.087" )	16mm ( 0.63" )	1.27mm ( 0.05" )
61mm ( 2.402" )	19mm ( 0.748" )	1.77mm ( 0.07" )

Part # **A4(3X)** Cable Identification Shrink System

Flexible Polyolefin, irradiation cross linked for strength and flexibility  
Non-reflective matte finish, UV Resistant 3 to 1 Ratio



**Simple three step process!**



1. Apply any label onto cable.
  2. Slide tubing over connector.
  3. Shrink tubing with hot air gun.
- We believe the above information to be correct and assume no liability for errors.*