

**ALPHA WIRE COMPANY**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 5474L**  
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**Issue: 1**  
**Issue Date: 1/5/2009**  
**Effective Date: 1/5/2009**

**A. Construction**

				<u>Diameters (In)</u>	
1)	Component 1	4 X 1 PAIR			
a)	Conductor	24 (7/32) AWG TC			
b)	Insulation	0.010" Wall, Nom. Low Smoke Zero Halogen (LSZH)	0.043		
	(1) Color Code	Alpha Wire Company Color Code K			
c)	Pair	2/Cond Cabled Together			
	(1) Twists:	9.6 Twists/foot (min)			
2)	Cable Assembly	4 Components Cabled			
	a) Twists:	4.8 Twists/foot (min)			
3)	Shield:	Alum/Mylar Tape, 25% Overlap, Min.			
	a) Foil Direction	Foil Facing In			
	b) Drain Wire	24 (7/32) AWG TC			
4)	Jacket	0.028" Wall, Nom.,Low Smoke Zero Halogen (LSZH)	0.240 (0.254 Max.)		
	a) Color(s)	SLATE			
	b) Print	ALPHA WIRE-* P/N 5474L 4PR 24 AWG			
		SHIELDED 75C (UL) TYPE CM OR 75C C(UL) TYPE CMG			
		LSZH ROHS			
		* = Factory Code			

**B. Industry Approvals**

1)	UL	CM	75°C
2)	CSA International	FT4	
		C(UL) TYPE CMG	75°C
3)	Other	REACH Regulation (EC 1907/2006)	
4)	EU Directive 2002/95/EC(RoHS):		

All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.

**C. Physical & Mechanical Properties**

- 1) Temperature Range -20 to 75°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 32 Lbs, Maximum

**D. Electrical Properties**

- 1) Voltage Rating 300 V<sub>RMS</sub>
- 2) Inductance 0.19 µH/ft, Nominal
- 3) Conductor DCR 26 Ω/1000ft @20°C, Nominal
- 4) OA Shield DCR 15.9 Ω/1000ft @20°C, Nominal

**E. Other**

- 1) Packaging
  - a) Bulk(Made-to-order)
- 2) Notes:
  - a) Flammability - Passes IEC 60332-1
  - b) Acid Gas Generation - Passes IEC 60754-1 and 60754-2
  - c) Smoke Emission - Passes IEC 61034-2

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