

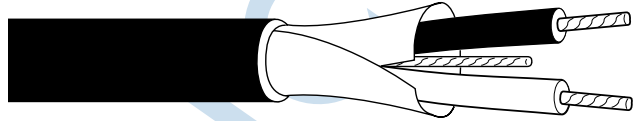


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LoVoltage^{spec} 740044, 740045, 740056, 740057

Electronic Wire and Cable

ACCESS CONTROL COMMUNICATIONS CABLE 2 CONDUCTOR 18 AWG STRANDED OVERALL SHIELDED



1.0 APPLICATION

1.1 This specification covers requirements for specific components within an Access Control System including but not limited to Data Communication, Mag Lock Power, Request to Exit / Motion Detector, Door contacts and Readers. These cables are often used with **Kantech, Northern, HID, ADT, Honeywell, Software House**, and other systems.

2.0 SCOPE

2.1 These cables consist of 2 stranded bare copper conductors, 18 AWG; with color-coded PVC insulation for non-plenum and low smoke PVC insulation for plenum. The conductors have an overall aluminum polyester shield and drain wire. To complete construction, an overall PVC jacket is applied for non-plenum and a low smoke PVC jacket is applied for plenum construction. Jacket colors are green or orange. Jacket markings: PAIGE LoVo # ____ 18 AWG 2/C OAS (UL) TYPE ____ E191597. Temperature rating -20°C to 60°C. 300 volt UL type CMR/FPLR or CMP/FPLP. UL Standards 444 & 1424, NEC Articles 760 & 800, UL 1666 Riser or UL 910 Plenum.

3.0 CONSTRUCTION

3.1 Conductor:

- 3.1.1 Material: Bare Copper
- 3.2.1 Construction: 16 x 30

3.2 Insulation:

- 3.2.1 Color Code: 1-Black, 2-Red

3.3 Shield:

- 3.3.1 Material: Aluminum Mylar
- 3.3.2 Coverage: 100%

3.4 Drain Wire:

- 3.4.1 Material: Tinned Copper
- 3.3.2 Size: 22 AWG
- 3.3.2 Construction: 7 x 30

3.5 Jacket:

- 3.5.1 Ripcord under jacket
- 3.5.2 Wall Thickness: .020" nom.
- 3.5.3 OD: .175" nom.
- 3.5.4 Print: "PAIGE LoVo # ____ 18 AWG 2/C OAS
UL TYPE ____ E191597

3.6 Electrical Properties:

- 3.6.1 Temperature: -20°C to 6°C
- 3.6.2 Voltage: 300 Volt
- 3.6.3 DC Resistance: 6.5 Ohms/M' @ 20°C

3.7 Put UPS:

- 3.7.1 1000' Box

4.0

PART NUMBER	UL	INSULATION		JACKET		IMPEDANCE	CAPACITANCE	WEIGHT PER /M'
		MATERIAL	WALL	COLOR	MATERIAL			
740044	CMP/FPLP	Low Smoke PVC	.010"	Green	Low Smoke PVC	39 Ohms	48 pF/Ft nom.	22 lbs.
740045	CMP/FPLP	Low Smoke PVC	.010"	Orange	Low Smoke PVC	39 Ohms	48 pF/Ft nom.	22 lbs.
740056	CMR/FPLR	PVC	.010"	Green	PVC	42 Ohms	39 pF/Ft nom.	24 lbs.
740057	CMR/FPLR	PVC	.010"	Orange	PVC	42 Ohms	39 pF/Ft nom.	24 lbs.

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