iControl Traveler and Hoistway Cable

Streamline iControl installation and maximize efficiency

iControl traveler and hoistway cables simplify wiring between the cartop and the controller, helping to prevent wiring errors and shortening installation time. In addition to consistent color coding to identify similar signal types, each conductor is stamped every six inches with the appropriate input or output label; the same label used on the iBox connection.

iControl cables are available in two diameters (depending upon conductor count). The hoistway cable connects iControl to the hoistway midpoint box, where it connects to the like-sized traveler cable which connects from the midpoint box to the cartop. The traveler cable has an additional conductor, a coaxial cable, and is sheathed in a protective jacket.
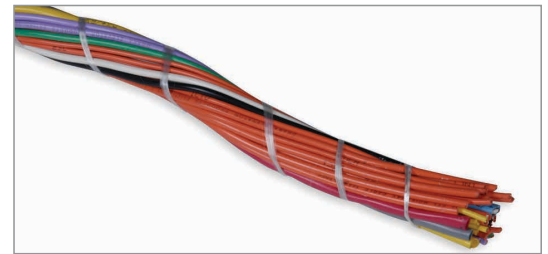
Pull sheets are provided — and come in handy when noting codes for extra wires — but aren't critical to the task since each standard conductor is already pre-labeled.

APPLICATIONS
- Modernization or new construction
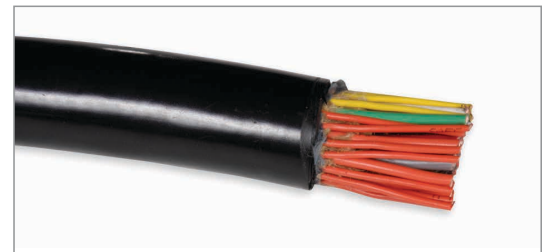- MCE iControl elevator controllers

BENEFITS
- Save time during installation
- Save time during future service or troubleshooting
- Just the right number of conductors — smaller, easier-to-hang cables

iControl hoistway cable

iControl traveler cable

Typical label stamping at controller end

Cable conductor identification

TLS-C-G2 Terminal Limit Switches are simple and rugged, designed to stand up to hoistway conditions. Magnetically actuated switches require no maintenance, eliminating the cycle of cleaning, adjusting, and lubricating necessary to keep traditional mechanical switches* working properly. The table below lists the number of switches required for particular car speeds before and after A17.1-2000 compliance.

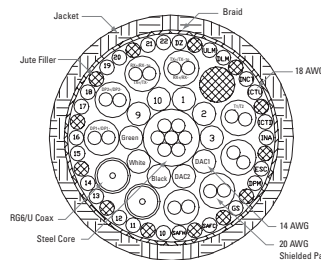| 14 Gauge		20 Gauge Shielded Pairs			18 Gauge	
ID	Color	ID	Wire Color	Sleeve	ID	Color
1–3	Orange	DP1+/DP1-	Blk/Wht	Blue	DZ	Orange
DAC1	Orange	DP2+/DP2-	Blk/Wht	Black	ULM	Orange
DAC2	Orange	RX+/RX-, TX+/TX-	Blk/Wht	Orange	DLM	Orange
Blank	Black	TX+/TX-, RX+/RX-	Blk/Wht	Yellow	INCT	Orange
Blank	White	T1/T2	Blk/Wht	Gray	ICTU	Orange
Blank	Green	None/None	Blk/Wht	Red	ICTD	Orange
9–10 (14)	Lavender	None/None	Blk/Wht	Tan	INA	Orange
		None/None	Blk/Wht	Pink	ESC	Orange
					DPM	Orange
					GS	Orange
					SAFC	Orange
					SAFH	Orange
					10–20 (10–19)	Yellow
					21–22 (20–29)	Tan
					30–40	Brown
					41–47	Blue

Information in parenthesis ( ) or orange cells applies to larger cables only.

iControl Hoistway Cable (small) —
10 x 14AWG, 25 x 18AWG, 8 x 20AWG/SH PR

iControl Traveler Cable (small) —
10 x 14AWG, 25 x 18AWG, 8 x 20AWG/SH PR, 2 x RG6U coax
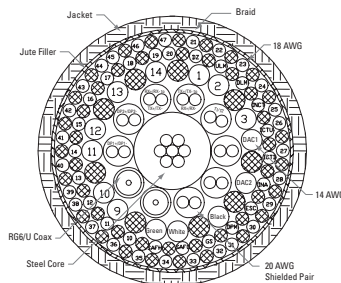
iControl Hoistway Cable (large) —
14 x 14AWG, 50 x 18AWG, 8 x 20AWG/SH PR

iControl Traveler Cable (large) —
14 x 14AWG, 50 x 18AWG, 8 x 20AWG/SH PR, 2 x RG6U coax

TRAVELER CABLE SPECIFICATIONS
- Support strand: 1/4" (6.4 mm)
- Breaking strength: 7,000 lbs. (3,175 kg)
- Conductors: Stranded bare soft drawn copper
- Insulation: 60°C, 300 volt rated
- Coax: RG6/U, 75-ohm, UL, sweep-tested Nominal attenuation: 0.4dB/100' @ 4 MHz
- Shielded pairs: 2 twisted 20AWG conductors, copper braid shield, PVC jacket
- Steel support: Preformed, flexible, zinc coated steel wire rope. PVC insulated, rayon braid.
- Braid: Rayon, 95% coverage of core
- Jacket: 60°C PVC with wear-resistant surface. Retards flame, inhibits oxidation, resists effect sunlight, water, oil, weathering, most solvents and chemicals.
- Diameter:
  Small: 1.480 inches (38 mm)
  Large: 1.850 inches (50 mm)
- Cable net weight:
  Small: 1,186 lbs./1,000 ft (1,765 kg/km)
  Large: 1,724 lbs./1,000 ft (2,566 kg/km)

HOISTWAY CABLE SPECIFICATIONS
- Conductors: Stranded bare soft drawn copper
- Shielded pairs: 2 twisted 20AWG conductors, copper braid shield, PVC jacket
- Binder: Helically wound synthetic string for maximum strength
- Diameter:
  Small: 1.01 inches (27.6 mm)
  Large: 1.32 inches (33.5 mm)
- Cable net weight:
  Small: 736 lbs./1,000 ft (1,095 kg/km)
  Large: 1,043 lbs./1,000 ft (1,552 kg/km)