

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

iControl Traveler and Hoistway Cable

Cable conductor identification

| 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 |

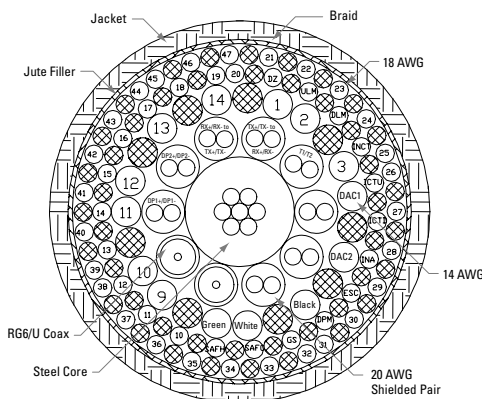
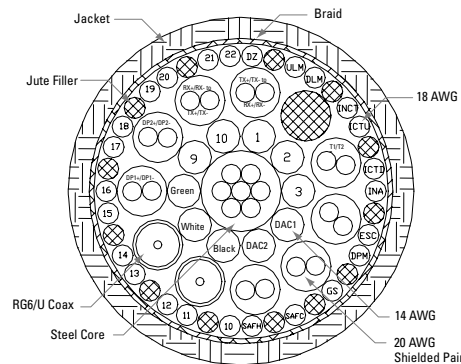
Information in parenthesis () or orange cells applies to larger cables only.

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: 1.4 inches (35.6 mm)
Large: 1.4 inches (35.6 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)