

| Part #s    | Length | # of Pairs | AWG            | Diameter | Weight  |
|------------|--------|------------|----------------|----------|---------|
| RP66010001 | 500'   | Single     | 18 2-Conductor | 0.309"   | 28 lbs. |
| RP66010002 | 1,000' | Single     | 18 2-Conductor | 0.309"   | 58 lbs. |



**Circuit-In-Conduit (CIC):**

**Hardware Certified for use in Systems FHIT .40A and FHITC .40A:**

- 1/2-inch, 3/4-inch, 1-inch, 1-1/4, 1-1/2-inch, and 2-inch EMT Conduit “E-Z Pull”– Allied Tube & Conduit Co. and Columbia-MBF
- 1/2-inch, 3/4-inch, 1-inch, 1-1/4, 1-1/2-inch, and 2-inch Steel Compression Couplings – RACO or Thomas & Betts Corp
- Wiegmann NEMA 1 Enclosure/Pull Box
- Amtec wire mesh support grips for vertical installation beyond 30 feet
- Supports per the Comtran Cable installation instructions dated August 2016

**Description:**

18 AWG-2 Conductor Shielded 2 Hour Fire-Rated UL Listed FPLR-CI-LS, CMR-CI-LS, PLTC-CI-LS, C(UL) CMR-LS & CSA FAS 90, cable ANSI/UL 2196 Certified for use in System FHIT.40A, CAN/ULC-S139 with Hose Stream for use in System FHITC.40A, UL Fire Resistance Directory R27557.

Cable is designed to support Life and Fire Safety. This cable offers “survivability” for 2 hours in harsh environments while being fully operational to allow for safe evacuation of building occupants. It has achieved FPLR-CI-LS, CM-CI-LS, & PLTC-CI-LS rating and has been certified under the new UL 2196 guidelines for 2 hour fire-resistive cables for use in system FHIT.40A and FHITC.40A. In addition, the cable is certified for use in Canada as a c(UL) CMR-LS listed cable and CEC Type FAS 90.

**Applications:**

- Manufacturing, commercial and industrial locations
- Colleges, banks, hotels, airports, and stadiums
- Health care facilities
- Tunnels and subways for emergency communications
- (EVAC) Emergency Voice-Alarm Communication Smoke and Fire Alarm Systems
- Fireman’s telephone and Area of Refuge Communication Systems
- Emergency lighting

**Construction:**

- **Conductors:** 18 AWG Solid Copper specially engineered to minimize embrittlement due to fire exposure
- **Tape:** Flame Retardant Tape
- **Insulation:** Low Smoke, Zero Halogen Thermoset Fire-Roc™
- **Core Assembly:** Color Coded Insulated Conductors of Red and Black
- **Jacket:** Red, Low Smoke, Zero Halogen Polyolefin (Sequential Footage Marker Provided Every 2 Feet)

**Compliance:**

- NEC type FPLR-CI-LS, CMR-CI-LS & PLTC-CI-LS for use in Electrical Circuit Integrity System FHIT 40A
- c(UL) listed CM (#E111271)
- CEC and CSA type FAS 90 with Hose Stream Test
- UL Certified to ANSI/UL 2196 2 hour fire-rating for use in FHIT system 40A (see UL Fire-Resistance Directory R27557)
- CAN/ULC-S139 Certified with Hose Stream Test for use in FHITC system 40A
- UL 1424 Listed FPLR-CI-LS for Power-Limited Fire Alarm Cables; 300V / 105°C
- UL 13 Listed PLTC-CI-LS for Power-Limited Circuit Cables; 300V / 105°C
- UL 444 Listed CMR-CI-LS for Communication Cable; 300V / 105°C
- Fire certified for power-limited system use at 72V phase-to-phase utilization voltage
- Sunlight resistant
- For use in wet locations

**Pulling Lubricant:** Polywater Type LZ

**Notes:**

- Refer to R27557 Fire-Resistive Cable (UL)
- Brand Type FPLR-CI-LS, CMR-CI-LS & PLTC-CI-LS for use in System No. FHIT.40A and FHITC.40A when installed in accordance with the manufacturer's installation instructions dated May 2017 for use as CIC cable
- Rated for both horizontal and vertical runs
- Tested to 1,850° F