

# VITALink® Fire Alarm Signal

## 2-Hour Fire Rated FAS Cable



2-Hour Fire Resistive Shielded  
Circuit Integrity Cable with Hose Stream  
FPL-LS, CMG, CL3, PLTC & CSA FAS 90

### Approved for Canada

#### ULC - 2 hour fire rating

#### Certified for use FHIT/FHIT7 40A systems

#### Vertical and horizontal installations

VITALink® 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 FPL, CMG, CL3 & PLTC rating and has been re-certified under the new UL 2196 guidelines for 2-hour fire resistive cables for use in system FHIT.40A and FHIT7.40A.

In addition, the cable is certified for use in Canada as a c(UL) CMG listed cable and CEC Type FAS 90. Product must be installed according to the FHIT7 40A installation manual with the certified hardware.

### Compliance

- **CAN/ULC-S139 Certified with Hose Stream Test for use in FHIT7 system 40A**
- NEC type FPL, CMG, CL3 & PLTC for use in Electrical Circuit Integrity System FHIT 40A
- CEC and CSA listed FAS90 to C22.2 No. 208-14
- UL Certified to ANSI/UL 2196 2-Hour fire rating for use in FHIT7 system 40A. (See UL Fire Resistance Directory R27557)
- UL 1424 Listed FPL-LS for Power-Limited Fire Alarm Cables; 300V / 105°C
- UL 13 Listed CL3 & PLTC for Power-Limited Circuit Cables; 300V / 105°C
- UL 444 Listed CMG for Communication Cable; 300V / 105°C
- Fire certified for power-limited system use at 72V phase-to-phase utilization voltage

### Construction

- Conductors: Solid or stranded copper specially engineered to minimize embrittlement due to fire exposure
- Tape: flame retardant tape
- Insulation: low smoke, zero halogen thermoset Fire-Roc™
- Core assembly: red & black color coded insulated conductors
- Shield: Copper/Polyester Tape Applied Over Core if applicable
- Drain Wire: 18 AWG / 20 AWG Stranded Bare Copper
- Jacket: Red, Low Smoke, Zero Halogen Polyolefin (Sequential Footage Marker Provided Every Two Feet)

### Hardware certified

- 1/2", 3/4", 1", 1 1/2" and 2" as per FHIT7 40A EMT Conduit "E-Z Pull" - Allied Tube & Conduit Co. and Columbia MBF
- 1/2", 3/4", 1", 1 1/2" and 2" Steel Compression Couplings - RACO or Thomas & Betts Corp.
- Wiegmann NEMA 1 Enclosure/Pull Box
- Amtec wire mesh support grips for vertical installation beyond 35 feet for the 18 ga and 45 feet for other gages
- Supports per the Comtran Cable's Aug. 2016 install instructions
- American Polywater - Type LZ - pulling lubricant

### Applications

- (EVAC) Emergency voice-alarm communication smoke and fire alarm systems
- Fireman's telephone & area of refuge comms systems
- Emergency lighting
- Manufacturing, commercial and industrial locations
- Colleges, banks, hotels, airports, stadiums, health care facilities
- Tunnels and subways for emergency communications