



## 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

**ULC - 2 hour fire rating**  
**Approved for Canada**  
**Certified for use FHIT / FHITC 40A systems**  
**Vertical and horizontal installations**

14 AWG / 16 AWG 2 conductors Shielded 2-Hour Fire Rated VITALink® UL Listed FPL-LS, CMG, CL3, PLTC, c(UL) CMG, & CSA FAS 90, 12 AWG/ 14 AWG/ 16 AWG & 18 AWG 2 conductors unshielded Vitalink UL Listed 105°C Type FPL, CM, CL3, PLTC & CSA FAS 90 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.

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 FHITC.40A. In addition, the cable is certified for use in Canada as a c(UL) CMG listed cable and CEC Type FAS 90.

### Compliance

- > **CAN/ULC-S139 Certified with Hose Stream Test for use in FHITC 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 FHIT 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:** Color Coded Insulated Conductors of Red and Black
- 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 FHITC 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 installation instructions dated August, 2016
- > American Polywater – Type LZ – pulling lubricant

### Applications

- > (EVAC) Emergency Voice-Alarm Communication Smoke and Fire Alarm Systems
- > Fireman's Telephone and Area of Refuge Communication Systems
- > Emergency Lighting
- > Manufacturing, Commercial and Industrial Locations
- > Colleges, Banks, Hotels, Airports and Stadiums
- > Health Care Facilities
- > Tunnels and Subways for Emergency Communications

