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

Design Specification
Part Number: 35785

DESCRIPTION: 16 AWG-2 Conductor Shielded 2-Hour Fire Rated VITALink® UL Listed FPL-LS, CMG, CL3, PLTC, c(UL) CMG, & 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

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.

Construction:

Conductors:	16 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
Shield:	Copper/Polyester Tape Applied Over Core
Drain Wire:	20 AWG Stranded Bare Copper
Jacket:	Red, Low Smoke, Zero Halogen Polyolefin (Sequential Footage Marker Provided Every Two Feet)

Part No.	AWG	Nominal Cable Diameter	Nominal Weight (lbs./1000 FT)	Nominal Capacitance
35785	16	.330"/8.382 mm	60	20

COMPLIANCE:

- NEC type FPL, CMG, CL3 & PLTC for use in Electrical Circuit Integrity System FHIT 40A
- c(UL) listed CMG
- 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)**
- CAN/ULC-S139 Certified with Hose Stream Test for use in FHITC system 40A.
- 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
- Sunlight Resistant
- For use in Wet Locations

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HARDWARE CERTIFIED:

- 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-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 45 feet.
- Supports per the Comtran Cable's installation instructions dated August, 2016

Pulling Lubricant: - Polywater Type LZ

2-Hour VITALink® Fire rated cabling supports critical systems such as:

- (EVAC) Emergency Voice-Alarm Communication Smoke and Fire Alarm Systems
- Fireman's Telephone and Area of Refuge Communication Systems
- Emergency Lighting

Common Applications:

- Manufacturing, Commercial and Industrial Locations
- Colleges, Banks, Hotels, Airports and Stadiums
- Health Care Facilities
- Tunnels and Subways for Emergency Communications

Notes:

- Refer to UL Electrical Circuit Integrity System FHIT.40A and FHITC.40A for installation requirements
- Refer to R27557 Fire Resistive Cable (UL)
- VITALink® Brand Type cables for use in System No. FHIT.40A and FHITC.40A should be installed in accordance with the manufacturer's installation instructions dated August, 2016.
- Authorities having jurisdiction should be consulted before installation.

For more information, please contact Comtran
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