

UL Listed
VITALink® 2-Hour Fire Resistive Shielded Circuit Integrity Cable
With Hose Stream
FPLR-CI-LS, CMR-CI-LS, PLTC-CI-LS & CSA FAS 90
Comtran Cable LLC

DESCRIPTION: 2 Conductor Shielded 2-Hour Fire Rated VITALink® 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

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 FPLR-CI-LS, CMR-CI-LS, & PLTC-CI-LS rating and has been certified under the current 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.

Construction:

Conductors: 18-14 AWG solid copper specially engineered to minimize embrittlement due to fire exposure
Tape: Flame Retardant Tape
Insulation: Low Smoke, Zero Halogen Thermoset Fire-Roc™
Assembly: Color Coded Insulated Conductors of Red and Black Cabled Together
Shield: Copper/Polyester Tape applied over core with a stranded Bare Copper Drain wire.
Jacket: Red, Low Smoke, Zero Halogen Polyolefin sequentially marked every two feet

Part Number	AWG	Stranding	Nominal Diameter In Inches	Nominal Conductor DCR Ω/MFT @ 68F	Nominal Lay Length In Inches	Max Pull Tension – Straight Runs In LBS/FT	Min Bend Radius In Inches	Ampacity @ 75°C	Nominal Cap pF/FT	Nominal Wgt(LBS)/MFT
36316	14	1	0.353"	2.573	5"	66	4	15.2	25	64
35785	16	1	0.330"	4.091	4.5"	41	4	11	20	60
36397	18	1	0.309"	6.505	4.25"	26	2	8.3	17	49

Compliance:

- NEC type FPLR-CI-LS, CMR-CI-LS & PLTC-CI-LS for use in Electrical Circuit Integrity System FHIT 40A
- c(UL) listed CMR-LS
- CEC and CSA listed FAS 90 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 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°
- Fire certified for power-limited system use at 72V phase-to-phase utilization voltage
- Sunlight Resistant
- For use in Wet Locations
- NYC Electrical Advisory Board approval #54502 , April 2017
- California State Fire Marshal Approved

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

- 1-inch, 1-1/4, 1-1/2-inch, and 2-inch EMT Conduit /“E-Z Pull”– Allied Tube & Conduit Co., Columbia-MBF or Type EMT FasTrak Plus Brand Wheatland Tube Co.
- 1-inch, 1-1/4, 1-1/2-inch, and 2-inch Steel Compression Couplings – RACO or Thomas & Betts Corp.
- Weigmann NEMA 1 Enclosure/Pull Box
- Amtec wire mesh support grips for vertical installation beyond 45 feet for 16 and 14 AWG cables, 30 feet for 18 AWG
- Supports per the Comtran Cable’s installation instructions dated May, 2017

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 R27557 Fire-Resistive Cable (UL)
- VITALink® 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.
- For use as CI cable when installed per the NEC and local code. For vertical installation lengths beyond 30ft (18AWG) or 45ft (12-16AWG) cables are to be supported using a stainless steel wire mesh.
- Authorities having Jurisdiction should be consulted before installation



NYC EAB
Approved
#54502
4/2017

ISO 9001
Registered

For More Information, please contact Comtran Customer Service:

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