

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

DESCRIPTION: 2 Conductor Unshielded 2-Hour Fire Rated VITALink® UL Listed FPLR-CI-LS, CMR-CI-LS, PLTC-CI-LS, C(UL) CMR-LS & CEC Type FAS 90, cable ANSI/UL 2196 Certified for use in System FHIT.40A, CAN/ULC-S139 with Hose Stream for use in System FHIT7.40A, UL Fire Resistance Directory R27557. Certified for use as CI cable (for free air) when installed per the NEC and local code.

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 FHIT7.40A. 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: 18-12 AWG solid and stranded 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
 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
36342	12	1	0.402"	1.618	6"	104	3	20.7	22	90
36338	14	1	0.352"	2.573	5"	66	3	15.2	20	61
35777	16	1	0.321"	4.091	4.5"	41	3	11	19	52
36337	18	1	0.305"	6.505	4.25"	26	2	8.3	17	41
36339	12	(19/.0185)	0.416"	1.625	6"	104	3	20.7	22	92
36340	14	(7/.0242)	0.368"	2.577	5"	66	3	15.2	20	65
36341	16	(7/24)	0.344"	3.736	4.5"	45	3	11	19	54

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 FHIT7 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
- NYC Electrical Advisory Board approval #54502, April 2017

- California State Fire Marshal Approved

Hardware Certified:

- 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., Columbia MBF or Type EMT FasTrak Plus Brand Wheatland Tube Co.
- 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.
- Weigmann NEMA 1 Enclosure/Pull Box
- Amtec wire mesh support grips for vertical installation beyond 30 feet for 18 AWG cables and 45 feet for all others.
- 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 FHIT7.40A 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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