PART NUMBER 1602FA-LSZH-RED

16 AWG; UL 2196 2-HOUR FIRE RESISTIVE CABLE FPLR UNSHIELDED 105°C/300V

DURALIFE (UL) FPL FIRE-RESISTIVE CABLE FOR USE IN ELECTRIC CIRCUIT INTEGRITY SYSTEM #28A

CABLE SPECIFICATIONS

DuraLife® II Dual Rated CIC/CI Free Air

Certified to the harsh requirements of the UL2196 Test for Fire Resistive Cables, the DuraLife II Dual Rated CIC /CI cables ensure 2-hour operation of critical systems in the event of a fire. The dual rating design offers the most versatility in meeting code survivability requirements in both in-conduit and free air installation scenarios.

DESCRIPTION

Dual Rated CI/CIC Cable. UL/CAN (ULC) 2196 Certified/UL 1424 Listed. FHIT/FHIT7 (ULC) System No. 28C. Low smoke, zero halogen design (LSZH).

CONSTRUCTION

- Conductor: Oxygen-free bare copper (OFHC), solid and/or stranded
- Insulation: Proprietary ceramifiable silicone rubber
- Assembly: Color-coded black/red leads, 3 twists/foot
- Jacket: Red low smoke/zero halogen FRPE with sequential footage markers (custom colors available/special order mins apply)

APPLICATIONS

- Hospitals & Healthcare Facilities
- High Rise & Mix use buildings
- Universities & College Campuses
- Stadiums, Casinos, places of assembly
- Transit bridges, tunnels and subways
- Government Facilities

CRITICAL SYSTEMS

- Fire Alarm and EVAC Systems
- Smoke evacuation and control
- Fan & Pressurization system
- Strobes & notification appliances
- Area of Refuge Systems
- Emergency lighting

COMPLIANCE

- UL 1424 Listed FPLR/FPLR-CI (dual-rated) for Power-Limited Fire Alarm Circuits. Riser Rated. 300V/105°C classified.
- UL / CAN (ULC formerly S-139) Certified to UL 2196 2-hour fire rating in FHIT / FHIT7 28C
- CSA Certified FAS90; CSA Std. C22.2 No. 208-14 FT4-ST1
- UL Certified 2-hour fire rating as FPLR-CI for Free Air installed per NEC code
- UL 444 Listed "CMR/CMR-CI" as Communications Cable
- Fire alarm circuit integrity, emergency systems, & healthcare facilities (NEC Articles 760, 700 & 517)
- Meets National Fire Protection Code (NFPA 70 & 72) fire alarm survivability circuit requirements
- Meets National Fire Protection Code (NFPA 130 & 502) fire alarm survivability circuit requirements
- Compliance tested to UL 1424 as suitable for use in applications requiring wet rating
- Meets UL1685 and FT4/IEEE 1202 requirements
- Tested for Sunlight Resistance in compliance with UL 2556 requirements
- Suitable for 2-hour certified fire-resistive applications in EMT, IMC, or Phenolic conduit systems
- UL Listed File No. E-241484. UL Fire Directory R-21213.
- Splice Allowance
- Performance testing of cables, cold bend test of complete cable per defined testing parameters and UL 1424
- NYC certified

HARDWARE & ACCESSORIES CERTIFIED

- EMT/IMC Conduit: Wheatland/Western Tube
- EMT/IMC Conduit: Allied/Columbia *(EMT: E-Z Pull Brand)*
- Phenolic Conduit: Champion Fiberglass
- EMT/IMC Compression Couplings: Hubbell/Raco
- EMT/IMC Set-Screw Coupling: Hubbell/Raco
- Phenolic Coupling: Champion Fiberglass
- NEMA 1 Splice Enclosure/Pull Box: Eaton/Cooper *(system use only)*
- Standard UL listed steel 4/S Utility Box *(CI only)*
- Expansion Couplers: Bridgeport fittings *(EMT/IMC)*
- Box Fittings: Compression – Cooper Crouse-Hinds *(EMT);* Hubbell/Raco *(EMT/IMC)*
  Set Screw - Hubbell/Raco *(EMT/IMC)*
  Phenolic - Champion Fiberglass
- Conduit Clamps: Erico (Phenolic conduit only)
- Splice Connector: 3M Butt-Type Crimp Terminals
- Splice Tapes – 1": 3M Silicone; St. Gobain Fiberglass Tape
- Pulling Lubricant: Polywater LZ

CONDS	AWG	SOLID OR STRANDED	NOMINAL O.D. INCH	NET WEGHT LBS/MFT	RESISTANCE OHMs/MFT	NOMINAL CAPACITANCE pF/FT
2	16	SOLID	.335"	62	3.99	15.3

System Fill Allowances (EMT - 1/2" to 2"; IMC - 3/4" to 2")						
EMT/IMC	**½"**	**¾"**	**1"**	**1 ¼"**	**1 ½"**	**2"**
CABLE	NO. OF CABLES MAX FILL					
16 AWG; UNSHIELDED	1	1	3	5	7	10

System Fill Allowances (Phenolic Conduit - 1" to 2")				
PHENOLIC	**1"**	**1 ¼"**	**1 ½"**	**2"**
CABLE	NO. OF CABLES MAX FILL			
16 AWG; UNSHIELDED	2	4	6	10