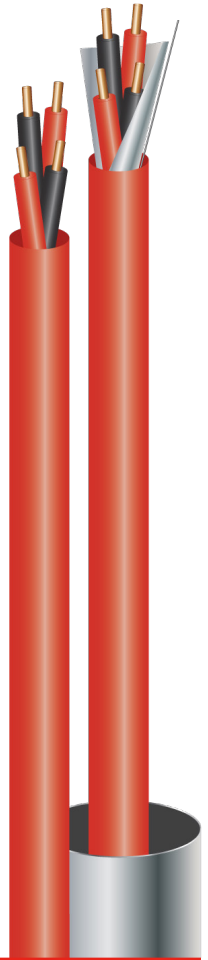


# SPECIFICATIONS

## DuraLife® II Dual Rated Ethernet Multi-Conductor FPLR Shielded/Unshielded Fire Resistive Cables

Certified to the harsh requirements of the UL 2196 Test for Fire Resistive Cables, the DuraLife II Dual Rated CIC /CI Multi-conductor Ethernet FPLR cables ensure two-hour operation of critical data and communication 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 while meeting Cat-3 channel requirements per TIA-568.C.2.

Description: Dual Rated Multi-Conductor CI/CIC Cable. UL 2196 Certified/UL 1424 Listed FHIT System No. 28D. Low smoke, zero halogen design (LSZH)  
FHIT7 System No. 28D (CSA Listed)  
Sizes Available: 18 AWG unshielded; 18 AWG shielded. 2/PR through 4/PR constructions



### CONSTRUCTION:

- **Conductor:** Oxygen-free bare copper (OFHC), solid and/or stranded
- **Insulation:** Proprietary ceramifiable silicone rubber
- **Assembly:** Numerically printed black/red paired leads
- **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
- Government Facilities

### CRITICAL SYSTEMS:

- Area of Refuge Systems
- Emergency VoIP communication
- Addressable Class N Fire Alarm systems
- BMS and Low Voltage Emergency Lighting

### COMPLIANCE & PERFORMANCE FEATURES:

- 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 28D
- CSA Certified to CSA Std. C22.2 No. 208; Type FAS90, 300V/90C FT4-ST1
- UL Certified 2-hour fire rating as FPLR-CI for Free Air installed per NEC code
- Fire alarm circuit integrity, emergency systems, and 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
- Meets UL1685 and FT4/IEEE 1202 requirements
- Compliance tested to UL 1424 as suitable for use in applications requiring wet rating
- Tested for Sunlight Resistance in compliance with UL 2556 requirements
- Suitable for 2-hour certified fire-resistive applications in EMT or IMC conduit systems
- UL Listed File No. E-241484. UL Fire Directory R-21213.
- CAFM approved
- Meets Category 3 requirements per TIA-568-C.2 throughout UL2196 Flame and Hose Stream Testing



Scan here to access  
DuraLife documents  
on the go!

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# SPECIFICATIONS

# DuraLife® II Dual Rated Ethernet Multi-Conductor FPLR Shielded/Unshielded Fire Resistive Cables

**HARDWARE CERTIFIED:** (Refer to DuraLife® II Multi-Conductor Installation Guide for additional details)

- EMT/IMC Conduit: Wheatland/Western Tube
- EMT/IMC Conduit: Allied/Columbia (EMT: E-Z Pull Brand)
- EMT Compression Couplings: Hubbell-Raco or Halex
- NEMA 1 Splice Enclosure/Pull Box: Eaton/Cooper
- Pulling Lubricant: Polywater LZ
- Box Fitting Connectors:
  - » Compression – Cooper Crouse-Hinds (EMT); Hubbell-Raco (EMT/IMC)
  - » Set Screw - Hubbell-Raco (EMT/IMC)
- Splice Connector: 3M Butt-Type Crimp Terminals
- Splice Tapes – 1": 3M Silicone; St. Gobain Fiberglass Tape

## UNSHIELDED:

RADIX P/N	AWG/ COND.*	SOLID	NOMINAL O.D. (INCH)	COND. RESISTANCE (OHMS/MFT.)	NOM.CAP. (pF/FT) (per pair)	EMT/IMC UNSHIELDED MAX CABLE FILL ALLOWANCE (for in-conduit installations per FHIT 28D)				
						¾"	1"	1 ¼"	1 ½"	2"
CTU18A0104-CAT3	18/2P	Solid	.366"	6.48	14.4	1	2	4	6	10
CTU18A0106-CAT3	18/3P	Solid	.444"	6.48	14.4	1	1	3	4	7
CTU18A0108-CAT3	18/4P	Solid	.518"	6.48	14.4	X	1	2	3	5

\* Numerically printed black/red paired leads

## SHIELDED:

RADIX P/N	AWG/ COND.*	SOLID	NOMINAL O.D. (INCH)	COND. RESISTANCE (OHMS/MFT.)	NOM.CAP. (pF/FT) (per pair)	EMT/IMC SHIELDED MAX CABLE FILL ALLOWANCE (for in-conduit installations per FHIT 28D)				
						¾"	1"	1 ¼"	1 ½"	2"
CTS18A0104-CAT3	18/2P	Solid	.389"	6.48	18.4	1	2	4	5	5
CTS18A0106-CAT3	18/3P	Solid	.472"	6.48	18.4	1	1	2	3	3
CTS18A0108-CAT3	18/4P	Solid	.551"	6.48	18.4	X	1	1	2	2

\* Numerically printed black/red paired leads

