Specification Sheet

BWC Part Number #: BWC-CTS14A0702

DuraLife® II Dual Rated CIC/CI Free Air - 2-Hour Fire Resistive Cable

Application

DuraLife® II cables are 2-hour fire-resistive cables designed to ensure the operation of critical systems during a fire. The dual CIC/CI rating provides versatility, allowing for installation in both in-conduit and free-air scenarios to meet code survivability requirements.

These cables are suitable for a wide range of facilities and critical systems:

- **Facilities:**
  - Hospitals & Healthcare Facilities
  - High Rise & Mixed-Use Buildings
  - Universities & College Campuses
  - Stadiums, Casinos, and Places of Assembly
  - Transit Bridges, Tunnels, and Subways
  - Government Facilities
- **Critical Systems:**
  - Fire Alarm and EVAC Systems
  - Smoke Evacuation and Control
  - Fan & Pressurization Systems
  - Strobes & Notification Appliances
  - Area of Refuge Systems
  - Emergency Lighting

Construction

- **Conductor:** Oxygen-free bare copper (OFHC), available in solid or stranded configurations.
- **Insulation:** Proprietary ceramifiable silicone rubber.

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- **Assembly:** Conductors are color-coded black and red and assembled with approximately 3 twists per foot.
- **Jacket:** The cable features a red, low-smoke/zero-halogen (LSZH) FRPE jacket with sequential footage markers. Custom colors are available via special order.

Standards & Certifications

- Fire Rating: Certified to UL 2196 for a 2-hour fire rating (FHIT/FHIT7 System No. 28C). UL Certified as FPLR-CI for 2-hour free-air installation per NEC code.
- UL Listings:
    - UL 1424 Listed as FPLR/FPLR-CI (dual-rated) for Power-Limited Fire Alarm Circuits; Riser Rated, 300V/105°C.
    - UL 444 Listed as "CMR/CMR-CI" for Communications Cable.
    - UL Listed File No. E-241484 and UL Fire Directory R-21213.
- CSA Certification: CSA Certified FAS90 and meets CSA Std. C22.2 No. 208-14 FT4-ST1.
- Code Compliance: Meets NFPA 70, 72, 130, & 502 for fire alarm survivability circuits. Also suitable for use in emergency systems and healthcare facilities per NEC Articles 700, 760, & 517.
- Performance:
    - Meets UL1685 and FT4/IEEE 1202 flame test requirements.
    - Tested for Sunlight Resistance in compliance with UL 2556.
    - Compliance tested to UL 1424 as suitable for use in wet rating applications.
- Other: NYC Certified.

Product Specifications – Unshielded

RADIX P/N	#COND	AWG	SOLID OR STRANDED	NOMINAL O.D. (INCH)	NET WEIGHT (LBS PER MFT)	RESISTANCE (OHMs/MFT)	NOMINAL CAPACITANCE (pF/FT)
CTU18A0102	2	18	Solid	0.305	53	6.48	14.4

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RADIX P/N	#COND	AWG	SOLID OR STRANDED	NOMINAL O.D. (INCH)	NET WEIGHT (LBS PER MFT)	RESISTANCE (OHMs/MFT)	NOMINAL CAPACITANCE (pF/FT)
CTU16A0102	2	16	Solid	0.335	62	3.99	15.3
CTU14A0102	2	14	Solid	0.344	77	2.57	17.1
CTU14A0702	2	14	Stranded	0.35	77	2.6	17.3
CTU12A0702	2	12	Stranded	0.392	98	1.64	17.6

Product Specifications – Shielded

RADIX P/N	#COND	AWG	SOLID OR STRANDED	NOMINAL O.D. (INCH)	NET WEIGHT (LBS PER MFT)	RESISTANCE (OHMS/MFT)	NOMINAL CAPACITANCE (pF/FT)
CTS18A0102	2	18	Solid	0.335	55	6.48	18.4
CTS16A0102	2	16	Solid	0.36	65	3.99	19.1
CTS14A0102	2	14	Solid	0.39	79	2.57	21.4
CTS14A0702	2	14	Stranded	0.393	79	2.6	21.7

ALL SPECIFIED PARAMETERS WITHOUT A TOLERANCE ARE NOMINAL AND SUBJECT TO VERIFICATION. BEST WIRE IS NOT RESPONSIBLE FOR UNKNOWN PERFORMANCE ATTRIBUTES THAT WERE NOT MADE KNOWN TO BEST WIRE AT THE TIME OF DESIGN.

GET WIRED

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