



Specification Sheet

BWC Part Number: BWC-CTS18A0107

Description: Multi-Conductor Dual-Rated CIC/CI Cables. UL 2196 Certified/UL 1424 Listed. FHIT System No. 28D. Low smoke, zero halogen design (LSZH).
FHIT7 System No. 28D

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:

- Fire Alarm and EVAC Systems
- Smoke evacuation and control
- Fan & Pressurization systems
- Strobes & notification appliances
- Area of Refuge Systems
- 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 28C
- 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 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 or IMC conduit systems
- UL Listed File No. E-241484. UL Fire Directory R-21213
- CAFM approved

GET WIRED





Specification Sheet

BWC Part Number: BWC-CTS18A0107

UNSHIELDED:

P/N	AWG/ COND.*	SOLID OR STRANDED	NOMINAL O.D. (INCH)	COND. RESISTANCE (OHMS/FT)	NOM.CAP. (pF/FT) (per pair)	EMT/IMC UNSHIELDED MAX CABLE FILL ALLOWANCE (for in-conduit installations per FHIT 28D)				
						3/4"	1"	1 1/4"	1 1/2"	2"
CTU18A0103	18/3C	Solid	.330"	6.48	–	1	2	4	6	10
CTU18A0104	18/4C	Solid	.366"	6.48	14.4	1	2	4	6	10
CTU18A0105	18/5C	Solid	.410"	6.48	–	1	1	3	4	7
CTU18A0106	18/6C	Solid	.444"	6.48	14.4	1	1	3	4	7
CTU18A0107	18/7C	Solid	.490"	6.48	–	X	1	2	3	5
CTU18A0108	18/8C	Solid	.518"	6.48	14.4	X	1	2	3	5
CTU16A0103	16/3C	Solid †	.380"	3.99	–	1	2	3	4	8
CTU16A0104	16/4C	Solid †	.405"	3.99	15.3	1	2	3	4	8
CTU16A0105	16/5C	Solid †	.450"	3.99	–	X	1	2	3	5
CTU16A0106	16/6C	Solid †	.485"	3.99	15.3	X	1	2	3	5
CTU16A0107	16/7C	Solid †	.530"	3.99	–	X	1	1	2	4
CTU16A0108	16/8C	Solid †	.575"	3.99	15.3	X	1	1	2	4
CTU14A0103	14/3C	Solid †	.405"	2.57	–	1	1	3	4	7
CTU14A0104	14/4C	Solid †	.431"	2.57	17.1	1	1	3	4	7
CTU14A0105	14/5C	Solid †	.485"	2.57	–	X	1	2	3	5
CTU14A0106	14/6C	Solid †	.523"	2.57	17.1	X	1	2	3	5
CTU14A0107	14/7C	Solid †	.570"	2.57	–	X	X	1	2	3
CTU14A0108	14/8C	Solid †	.629"	2.57	17.1	X	X	1	2	3
CTU12A0703	12/3C	7-Strand**	.460"	1.64	–	X	1	2	3	5
CTU12A0704	12/4C	7-Strand**	.483"	1.64	17.6	X	1	2	3	5
CTU12A0705	12/5C	7-Strand**	.590"	1.64	–	X	X	1	2	3
CTU12A0706	12/6C	7-Strand**	.633"	1.64	17.6	X	X	1	2	3
CTU12A0707	12/7C	7-Strand**	.670"	1.64	–	X	X	1	1	2
CTU12A0708	12/8C	7-Strand**	.708"	1.64	17.6	X	X	1	1	2

GET WIRED

1343 Exchange Dr. Richardson, TX 75081 | 972-231-5600 | www.bestwirecable.com

Information on this specification is subject to change without notice. REV 03062023





Specification Sheet

BWC Part Number: BWC-CTS18A0107

SHIELDED:

P/N	#COND*	SOLID OR STRANDED	NOMINAL O.D. (INCH)	COND. RESISTANCE (OHMS/FT)	NOM. CAP. (pF/FT) (per pair)	EMT/IMC SHIELDED MAX CABLE FILL ALLOWANCE (for in-conduit installations per FHIT 28D)				
						3/4"	1"	1 1/4"	1 1/2"	2"
CTS18A0103	18/3C	Solid	.355"	6.48	–	1	2	4	5	5
CTS18A0104	18/4C	Solid	.389"	6.48	18.4	1	2	4	5	5
CTS18A0105	18/5C	Solid	.445"	6.48	–	1	1	2	3	3
CTS18A0106	18/6C	Solid	.472"	6.48	18.4	1	1	2	3	3
CTS18A0107	18/7C	Solid	.525"	6.48	–	X	1	1	2	2
CTS18A0108	18/8C	Solid	.551"	6.48	18.4	X	1	1	2	2
CTS16A0103	16/3C	Solid †	.400"	3.99	–	1	2	3	5	8
CTS16A0104	16/4C	Solid †	.411"	3.99	19.1	1	2	3	5	8
CTS16A0105	16/5C	Solid †	.470"	3.99	–	X	1	2	3	5
CTS16A0106	16/6C	Solid †	.492"	3.99	19.1	X	1	2	3	5
CTS16A0107	16/7C	Solid †	.560"	3.99	–	X	1	1	2	4
CTS16A0108	16/8C	Solid †	.583"	3.99	19.1	X	1	1	2	4
CTS14A0103	14/3C	Solid †	.430"	2.57	–	1	1	2	4	6
CTS14A0104	14/4C	Solid †	.463"	2.57	21.4	1	1	2	4	6
CTS14A0105	14/5C	Solid †	.505"	2.57	–	X	1	1	2	4
CTS14A0106	14/6C	Solid †	.562"	2.57	21.4	X	1	1	2	4
CTS14A0107	14/7C	Solid †	.600"	2.57	–	X	X	1	1	3
CTS14A0108	14/8C	Solid †	.676"	2.57	21.4	X	X	1	1	3

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

1343 Exchange Dr. Richardson, TX 75081 | 972-231-5600 | www.bestwirecable.com

Information on this specification is subject to change without notice. REV 03062023



SCAN ME