

# UL UNARMoured ZETABON UTILITY, MULTI-CONDUCTOR, 600V

ShawFlex Utility cables are the ideal choice for applications requiring an extra level of durability and noise protection in utility applications. The Zetabon™ aluminum tape blocks any water, chemical or gaseous vapors from penetrating to the insulated conductors. It also provides mechanical strength for crush and impact protection. Zetabon™ provides the additional benefit of shielding outside noise from adversely affecting the signal carried by the cables.

## VOLTAGE

600 V

OPTIONAL: 2000V

## PRODUCT CONSTRUCTION

### Insulation:

- FR XLPE (XHHW-2 rated) rated: 90°C wet/dry
- VW-1 rated (optional)

### Shielding:

- Zetabon™ Aluminum Tape (standard)

### Armour:

- Aluminum Interlocking Armor (AIA) (standard)
- Steel Interlocking Armor (SIA) (optional)

### Jacket:

- Thermoplastic CPE outer black jacket (standard) rated: 90°C
- Thermoset CPE (optional)

### Available in:

- Custom insulation/jacket colors
- Composite constructions

## CERTIFICATION/COMPLIANCES

- UL 1277, Tray Cable (TC-ER)
- UL 44, Thermoset Insulated Wires and Cables
- IEEE 1202/383 (70,000 BTU/hr), Vertical Flame Test rated
- UL 1685/FT4, Vertical Tray Flame Test rated
- ICEA T-30-520 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- Exposed-Run (TC-ER) rated
- -40°C cold bend rated
- Rated for use in hazardous locations:
  - Class I Zone 2 (Div 2)
  - Class II Zone 22 (Div 2)

## COLOR CODING

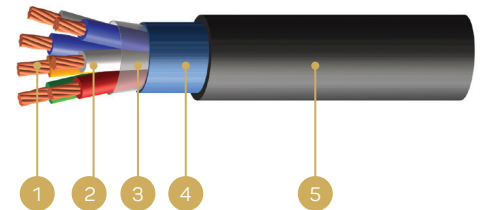
- Method K1 & K2 (standard)
- Method 4 (optional)

# 600 V

VOLTAGE

# UL Type TC-ER,

CONTROL



1. Strand Bare (ASTM B8) Annealed Copper Conductors
2. FR XLPE (XHHW-2 Rated) Insulated Conductors
3. Polyester Separator Tape
4. Zetabon™ Aluminum Tape
5. CPE Outer Protective Jacket

## STANDARDS:



TC

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
		(AWG/MCM)	(in/mm)	(lbs/1000ft) (kg/km)	(30°C ambient)	(lb/kg)	(in/mm)
2C410U140200409	2	14	0.412 / 10.46	98 / 146	25	66 / 30	7.4 / 188
2C410U140300409	3	14	0.432 / 10.97	116 / 172	25	99 / 45	7.8 / 198
2C410U140400409	4	14	0.467 / 11.85	138 / 206	20	132 / 60	8.4 / 213
2C410U140500409	5	14	0.505 / 12.83	161 / 239	20	165 / 75	9.1 / 231
2C410U140600409	6	14	0.575 / 14.6	200 / 298	20	197 / 90	10.3 / 263
2C410U140700409	7	14	0.575 / 14.6	214 / 318	17.5	230 / 104	10.3 / 263
2C410U140800409	8	14	0.615 / 15.62	242 / 361	17.5	263 / 119	11.1 / 281
2C410U141000409	10	14	0.708 / 17.98	296 / 441	12.5	329 / 149	12.7 / 324
2C410U141200409	12	14	0.728 / 18.49	332 / 494	12.5	395 / 179	13.1 / 333
2C410U141400409	14	14	0.762 / 19.37	376 / 559	12.5	461 / 209	13.7 / 349
2C410U141500409	15	14	0.781 / 19.84	396 / 589	12.5	494 / 224	14.1 / 357
2C410U142000409	20	14	0.921 / 23.39	538 / 800	12.5	658 / 298	16.6 / 421
2C410U142500409	25	14	1.014 / 25.76	647 / 963	11.25	823 / 373	18.3 / 464
2C410U143000409	30	14	1.069 / 27.14	741 / 1103	11.25	987 / 448	19.2 / 489
2C410U144000409	40	14	1.187 / 30.15	941 / 1400	10	1316 / 597	21.4 / 543
2C410U145000409	50	14	1.312 / 33.32	1142 / 1699	8.75	1645 / 746	23.6 / 600
2C410U120200409	2	12	0.448 / 11.38	121 / 180	30	104 / 47	8.1 / 205
2C410U120300409	3	12	0.471 / 11.96	152 / 226	30	157 / 71	8.5 / 215
2C410U120400409	4	12	0.51 / 12.95	181 / 269	24	209 / 95	9.2 / 233
2C410U120500409	5	12	0.584 / 14.83	233 / 346	24	261 / 118	10.5 / 267
2C410U120600409	6	12	0.629 / 15.98	269 / 400	24	313 / 142	11.3 / 288
2C410U120700409	7	12	0.629 / 15.98	291 / 433	21	365 / 166	11.3 / 288
2C410U120800409	8	12	0.674 / 17.13	322 / 480	21	418 / 189	12.1 / 308
2C410U121000409	10	12	0.78 / 19.81	397 / 590	15	522 / 237	14 / 357
2C410U121200409	12	12	0.803 / 20.39	453 / 674	15	626 / 284	14.4 / 367
2C410U121400409	14	12	0.842 / 21.38	509 / 758	15	731 / 331	15.2 / 385
2C410U121500409	15	12	0.903 / 22.94	570 / 848	15	783 / 355	16.3 / 413
2C410U122000409	20	12	1.016 / 25.81	729 / 1085	15	1044 / 474	18.3 / 465
2C410U122500409	25	12	1.122 / 28.5	886 / 1319	13.5	1305 / 592	20.2 / 513
2C410U123000409	30	12	1.184 / 30.07	1022 / 1521	13.5	1566 / 710	21.3 / 541
2C410U124000409	40	12	1.318 / 33.48	1305 / 1942	12	2088 / 947	23.7 / 603
2C410U125000409	50	12	1.46 / 37.09	1598 / 2379	10.5	2610 / 1184	26.3 / 668
2C410U100200409	2	10	0.498 / 12.65	159 / 236	40	166 / 75	9 / 228
2C410U100300409	3	10	0.524 / 13.32	199 / 296	40	249 / 113	9.4 / 240
2C410U104000409	40	10	1.501 / 38.12	1877 / 2794	16	3320 / 1506	27 / 686
2C410U100500409	5	10	0.651 / 16.54	312 / 464	32	415 / 188	11.7 / 298
2C410U100600409	6	10	0.704 / 17.88	363 / 541	32	498 / 226	12.7 / 322
2C410U100700409	7	10	0.704 / 17.88	397 / 591	28	581 / 264	12.7 / 322
2C410U100800409	8	10	0.757 / 19.22	445 / 662	28	664 / 301	13.6 / 346
2C410U101000409	10	10	0.92 / 23.37	583 / 868	20	830 / 376	16.6 / 421
2C410U101200409	12	10	0.946 / 24.04	665 / 989	20	996 / 452	17 / 433
2C410U101400409	14	10	0.992 / 25.2	756 / 1124	20	1162 / 527	17.9 / 454

\*Ampacity value based on National Electrical Code, Version 2017, Table 3-10.15(B)(16). Values are corrected according to Table 310.15(B)(3)(a) for number of Conductors.

**FOR FURTHER INFORMATION, PLEASE CONTACT:**

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PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
		(AWG/MCM)	(in/mm)	(lbs/1000ft) (kg/km)	(30°C ambient)	(lb/kg)	(in/mm)
2C410U101500409	15	10	1.017 / 25.83	799 / 1189	20	1245 / 565	18.3 / 465
2C410U102000409	20	10	1.149 / 29.18	1029 / 1532	20	1660 / 753	20.7 / 525
2C410U102500409	25	10	1.272 / 32.31	1253 / 1865	18	2075 / 941	22.9 / 582
2C410U103000409	30	10	1.344 / 34.14	1458 / 2169	18	2490 / 1129	24.2 / 615

\*Ampacity value based on National Electrical Code, Version 2017, Table 3-10.15(B)(16). Values are corrected according to Table 310.15(B)(3)(a) for number of Conductors.

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