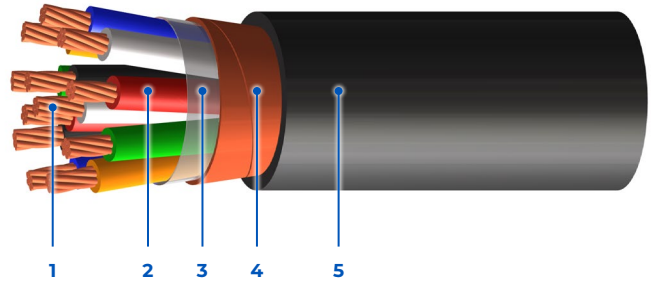


UL Type TC Copper Tape Utility, Multi-Conductor, 600/1000 V

Shawflex Utility cables are the ideal choice for applications requiring an extra level of durability and noise protection in utility applications.



- 1 – Stranded Bare (ASTM B8) Annealed Copper Conductors (Tin-coated Available)
- 2 – FR XLPE (XHHW-2 Rated) Insulated Conductors
- 3 – Polyester Separator Tape

- 4 – Bare/Tin-coated Copper Tape Shield
- 5 – FR PVC Outer Protective Jacket

Standards:



TC-ER

Product Construction

Insulation:

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

Shielding:

- Copper tape shield (standard)
- Available in various copper tape thickness & configurations
- All types of shields available

Jacket:

- FR PVC outer black jacket rated: 90°C to -40°C
- Thermoset CPE (optional)
- Thermoplastic CPE (optional)
- Thermoplastic LSZH (optional)

Available in:

- Custom insulation/jacket colors
- Composite constructions

Certification/Compliances

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

600/ 1000 V

Voltage
(1000 V optional)

Color Coding

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

UL Type TC-ER

Control

UL Type TC Copper Tape Utility, Multi-Conductor, 600/1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		(AWG/kcmil)	(in/mm)	(lbs/1000ft) (kg/km)	(30°C ambient)	(lb/kg)	(in/mm)
2C01HU140200300	2	14	0.396 / 10.1	104 / 155	25	66 / 30	7.1 / 181
2C01HU140300300	3	14	0.416 / 10.6	123 / 184	25	99 / 45	7.5 / 190
2C01HU140400300	4	14	0.451 / 11.4	148 / 221	20	132 / 60	8.1 / 206
2C01HU140500300	5	14	0.489 / 12.4	171 / 255	20	165 / 75	8.8 / 224
2C01HU140600300	6	14	0.529 / 13.4	199 / 295	20	197 / 90	9.5 / 242
2C01HU140700300	7	14	0.529 / 13.4	212 / 316	17.5	230 / 104	9.5 / 242
2C01HU140800300	8	14	0.599 / 15.2	257 / 382	17.5	263 / 119	10.8 / 274
2C01HU141000300	10	14	0.692 / 17.6	319 / 474	12.5	329 / 149	12.5 / 316
2C01HU141200300	12	14	0.712 / 18.1	356 / 530	12.5	395 / 179	12.8 / 326
2C01HU141400300	14	14	0.746 / 19.0	401 / 597	12.5	461 / 209	13.4 / 341
2C01HU141500300	15	14	0.765 / 19.4	423 / 629	12.5	494 / 224	13.8 / 350
2C01HU142000300	20	14	0.905 / 23.0	571 / 849	12.5	658 / 298	16.3 / 414
2C01HU142500300	25	14	0.998 / 25.4	686 / 1021	11.25	823 / 373	18 / 456
2C01HU143000300	30	14	1.053 / 26.7	783 / 1166	11.25	987 / 448	18.9 / 481
2C01HU144000300	40	14	1.171 / 29.7	990 / 1474	10	1316 / 597	21.1 / 535
2C01HU145000300	50	14	1.296 / 32.9	1202 / 1789	8.75	1645 / 746	23.3 / 592
2C01HU120200300	2	12	0.432 / 11.0	130 / 194	30	104 / 47	7.8 / 198
2C01HU120300300	3	12	0.455 / 11.6	159 / 237	30	157 / 71	8.2 / 208
2C01HU120400300	4	12	0.494 / 12.6	192 / 285	24	209 / 95	8.9 / 226
2C01HU120500300	5	12	0.568 / 14.4	245 / 364	24	261 / 118	10.2 / 260
2C01HU120600300	6	12	0.613 / 15.6	284 / 423	24	313 / 142	11 / 280
2C01HU120700300	7	12	0.613 / 15.6	306 / 456	21	365 / 166	11 / 280
2C01HU120800300	8	12	0.658 / 16.7	343 / 510	21	418 / 189	11.8 / 301
2C01HU121000300	10	12	0.764 / 19.4	423 / 630	15	522 / 237	13.8 / 349
2C01HU121200300	12	12	0.787 / 20.1	480 / 714	15	626 / 284	14.2 / 360
2C01HU121400300	14	12	0.826 / 21.0	540 / 804	15	731 / 331	14.9 / 378
2C01HU121500300	15	12	0.887 / 22.5	605 / 900	15	783 / 355	16 / 406
2C01HU122000300	20	12	1.000 / 25.4	770 / 1146	15	1044 / 474	18 / 457
2C01HU122500300	25	12	1.106 / 28.1	933 / 1388	13.5	1305 / 592	19.9 / 506
2C01HU123000300	30	12	1.168 / 29.7	1074 / 1598	13.5	1566 / 710	21 / 534
2C01HU124000300	40	12	1.302 / 33.1	1369 / 2038	12	2088 / 947	23.4 / 595

*Ampacity value based on National Electrical Code, Version 2020, Table 310.16. Values are corrected according to Table 310.15(C)(1) for number of Conductors.

UL Type TC Copper Tape Utility, Multi-Conductor, 600/1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		(AWG/kcmil)	(in/mm)	(lbs/1000ft) (kg/km)	(30°C ambient)	(lb/kg)	(in/mm)
2C01HU125000300	50	12	1.444 / 36.7	1674 / 2491	10.5	2610 / 1184	26 / 660
2C01HU100200300	2	10	0.482 / 12.2	169 / 251	40	166 / 75	8.7 / 220
2C01HU100300300	3	10	0.508 / 12.9	211 / 314	40	249 / 113	9.2 / 232
2C01HU100400300	4	10	0.584 / 14.8	278 / 413	32	332 / 151	10.5 / 267
2C01HU100500300	5	10	0.635 / 16.1	327 / 486	32	415 / 188	11.4 / 290
2C01HU100600300	6	10	0.688 / 17.5	387 / 575	32	498 / 226	12.4 / 315
2C01HU100700300	7	10	0.688 / 17.5	421 / 627	28	581 / 264	12.4 / 315
2C01HU100800300	8	10	0.741 / 18.8	471 / 701	28	664 / 301	13.3 / 339
2C01HU101000300	10	10	0.904 / 23.0	617 / 918	20	830 / 376	16.3 / 413
2C01HU101200300	12	10	0.930 / 23.6	702 / 1045	20	996 / 452	16.7 / 425
2C01HU101400300	14	10	0.976 / 24.8	795 / 1184	20	1162 / 527	17.6 / 446
2C01HU101500300	15	10	1.001 / 25.4	842 / 1252	20	1245 / 565	18 / 458
2C01HU102000300	20	10	1.133 / 28.8	1081 / 1608	20	1660 / 753	20.4 / 518
2C01HU102500300	25	10	1.256 / 31.9	1313 / 1954	18	2075 / 941	22.6 / 574
2C01HU103000300	30	10	1.328 / 33.7	1524 / 2268	18	2490 / 1129	23.9 / 607
2C01HU104000300	40	10	1.485 / 37.7	1959 / 2915	16	3320 / 1506	26.7 / 679
2C01HU105000300	50	10	1.650 / 41.9	2406 / 3581	14	4150 / 1882	29.7 / 755

*Ampacity value based on National Electrical Code, Version 2020, Table 310.16. Values are corrected according to Table 310.15(C)(1) for number of Conductors.