

UL TRAY, TC-ER, POWER, XLPE/CPE, RHW-2 2000V

SPEC: SF2030P

ShawFlex UL Tray XLPE/CPE 2000V power cables are suitable for use in Utility and Industrial applications. TC-ER cables are permitted for Exposed Run (ER) use in accordance with NEC, reducing installation cost and time. Oil Res I/II ensures the best protection in chemical environment.

VOLTAGE

2000 V

PRODUCT CONSTRUCTION

Conductor:

- 14AWG thru 1000 Kcmil fully annealed standard bare copper per Class B ASTM B8 stranding
- *Tinned annealed copper conductor is available

Insulation:

- Cross-linked Polyethylene (Type RHW-2). 90°C DRY/WET

Jacket:

- Thermoplastic Chlorinated Polyethylene (CPE)
- *Cross-linked Chlorinated Polyethylene (XL-CPE) is available

CERTIFICATION/COMPLIANCES

- UL 1277, Tray Cable (TC-ER)
- UL 44 Type RHW-2
- IEEE 1202/FT4, UL 1685
- VW-1 rated
- ICEA T-29-520
- SUN RES in all colors
- DIR BUR
- -40°C Cold Bend
- OIL RES I/II

COLOR CODING

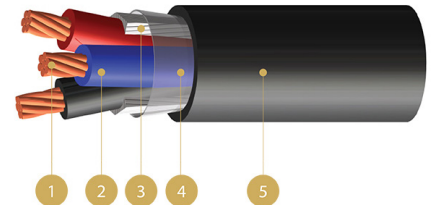
- Color-coded per ICEA Method 1, Table E-2
- *Optional color codes are available

LEGEND

- SHAWFLEX 4C XX AWG 2000V (UL) TC-ER
- RHW-2 90C WET/DRY SUN RES OIL RES I & II
- DIRECT BURIAL IEEE1202/FT4 90C CPE JACKET MADE IN CANADA
- Part # (mo#) (month year)
- (sequential footage marking every 2 feet)

*VW-1 conductor is available for 6 AWG and smaller

2000 V VOLTAGE UL Type TC-ER POWER



1. Standard Bare (ASTM B8) Annealed Copper Conductors (Tinned Available)
2. FR XLPE (Type RHW-2) Conductors
3. Polypropylene Fillers
4. Polyester Separator Tape
5. CPE Protective Jacket

APPLICATIONS:

- For use in control circuits in electric utility, and industrial applications
- Permitted for Exposed Run (ER) between cable trays and utilization equipment in accordance with NEC
- Cable tray, including ventilated, non-ventilated
- Indoor/outdoor
- Free air, raceways or direct burial
- Wet/dry locations
- Permitted for use in hazardous locations per NEC:
 - Class I, Zone 2 (Div 2)
 - Class II, Div 2

STANDARDS:

TC-ER  

PART NUMBER	CONDUCTOR COUNT	SIZE	GROUND WIRE SIZE (UNINSULATED)	NOMINAL OVERALL DIAMETER OF CABLE	CABLE WEIGHT	AMPACITY 30°C AMBIENT	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
		AWG	AWG	IN	LBS/1000FT	AMPS	LB	IN
2K010U140300401	3C	14	-	0.52	136	25	98.6	4.70
2K010U120300401	3C	12	-	0.59	188	30	156.7	5.32
2K010U100300401	3C	10	-	0.64	242	40	249.1	5.80
2K010U080300401	3C	8	-	0.75	345	55	396.2	6.75
2K010U060300401	3C	6	-	0.83	463	75	629.8	7.50
2K010U040300414	3C + G	4	8	0.98	718	95	1001.8	8.78
2K010U020300414	3C + G	2	6	1.10	1030	130	1592.6	9.90
2K010U010340414	3C + G	1	6	1.27	1307	145	2008.6	11.43
2K010U1/0340414	3C + G	1/0	6	1.36	1548	170	2534.4	12.21
2K010U2/0340414	3C + G	2/0	6	1.45	1853	195	3194.4	13.04
2K010U3/0340414	3C + G	3/0	4	1.56	2278	225	4027.2	14.03
2K010U4/0340414	3C + G	4/0	4	1.68	2763	260	5078.4	15.12
2K010U250360414	3C + G	250	4	1.90	3349	290	6000.0	17.13
2K010U300360414	3C + G	300	3	2.02	3941	320	7200.0	18.16
2K010U350360414	3C + G	350	3	2.13	4452	350	8400.0	19.13
2K010U500360414	3C + G	500	2	2.40	6058	430	12000.0	21.61
2K010U750360414	3C + G	750	1	2.91	8999	535	18000.0	26.20

*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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