

UL TRAY, TC-ER, POWER, XLPE/PVC, XHHW-2 600V

SPEC: SF610P

ShawFlex UL Tray Power cables are suitable for use in ventilated, non-ventilated and ladder type cable trays, between cable trays and utilization equipment, direct burial, raceways and for exposed or concealed wiring in wet, damp or dry locations. TC-ER cables permitted for Exposed Run (ER) use in accordance with NEC, reducing installation cost and time.

VOLTAGE

600 V

PRODUCT CONSTRUCTION

Conductor:

- 8 AWG thru 750Kcmil fully annealed standard bare copper per Class B ASTM B8 stranding

Insulation:

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

Jacket:

- Polyvinyl Chloride (PVC), Sunlight Resistant in black

CERTIFICATION/COMPLIANCES

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

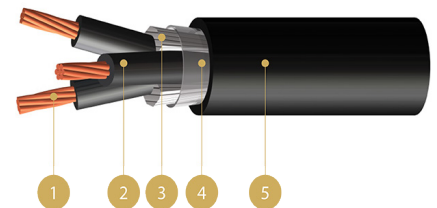
COLOR CODING

- Color-coded per ICEA Method 4, Individual conductors colored black with conductor number ink printed on surface

LEGEND

- SHAWFLEX 3C XXXKCMIL 600V (UL) TC-ER
- XHHW-2 90C WET/DRY SUN RES OIL RES I DIRECT BURIAL
- IEEE 1202/FT4 90C PVC JACKET
- MADE IN CANADA
- Part # (mo#) (month year)
- (sequential footage marking every 2 feet)

600 V VOLTAGE UL Type TC-ER POWER



1. Stranded Bare (ASTM B8) Annealed Copper Conductors
2. FR XLPE (XHHW-2 Rated) Insulated Conductors
3. Polypropylene Fillers
4. Polyester Separator Tape
5. FR PVC Outer Protective Jacket

APPLICATIONS:

- For use in control circuits in industrial, commercial and electric utility.
- Between cable trays and utilization equipment
- Permitted for Exposed Run (ER) use 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	CONDUCTOR SIZE	BARE GROUND CONDUCTOR SIZE	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
2C010U080300304	3C+G	8	10	0.66	321.19	55	396	5.94
2C010U060300304	3C+G	6	8	0.75	449.86	75	630	6.72
2C010U040300304	3C + G	4	8	0.83	608.43	95	1002	7.45
2C010U030300304	3C + G	3	6	0.93	793.73	115	1263	8.33
2C010U020300304	3C + G	2	6	0.99	932.79	130	1593	8.93
2C010U010340304	3C + G	1	6	1.12	1169.00	145	2009	10.07
2C010U1/0340304	3C + G	1/0	6	1.21	1400.27	170	2534	10.85
2C010U2/0340304	3C + G	2/0	6	1.30	1691.34	195	3194	11.68
2C010U3/0340304	3C + G	3/0	4	1.41	2103.45	225	4027	12.67
2C010U4/0340304	3C + G	4/0	4	1.53	2571.05	260	5078	13.76
2C010U250360304	3C + G	250	4	1.67	3011.43	290	6000	15.04
2C010U300360304	3C + G	300	3	1.85	3674.91	320	7200	16.61
2C010U350360304	3C + G	350	3	1.95	4174.99	350	8400	17.58
2C010U500360304	3C + G	500	2	2.23	5743.07	430	12000	20.06
2C010U750360304	3C + G	750	1	2.68	8458.42	535	18000	24.11

*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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