UL TRAY, TC-ER, UNSHIELDED, CONTROL, XLPE/CPE, XHHW-2 600V

SPEC: SF630C

ShawFlex UL Tray XLPE/CPE Control 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
600 V

PRODUCT CONSTRUCTION
Conductor:
- 14AWG thru 10Kcmil fully annealed standard bare copper per Class B ASTM B8 stranding
  *Tinned annealed copper conductor is available

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

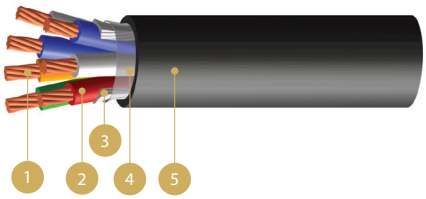
Jacket:
- Thermoplastic Chlorinated Polyethylene (CPE)
  *Cross-linked Chlorinated Polyethylene (XL-CPE) is available

CERTIFICATION/COMPLIANCES
- UL 1277, Tray Cable (TC-ER)
- UL 44 Type XHHW-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 600V (UL) TC-ER
- XHHW-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)

600 V
VOLTAGE
UL Type TC-ER
CONTROL



1. Bare Copper Conductors (Tinned Available)
2. Cross-linked Polyethylene (Type XHHW-2) Insulated 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 UL RoHS

SPEC: SF630C

PART NUMBER	CONDUCTOR COUNT	SIZE	NOMINAL OVERALL DIAMETER OF CABLE	CABLE WEIGHT	AMPACITY 30°C AMBIENT	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
		AWG	IN	LBS/1000FT	AMPS	LB	IN
2V010U140200401	2C	14	0.37	74	25	65.8	3.35
2V010U140300401	3C	14	0.39	93	25	98.6	3.53
2V010U140400401	4C	14	0.43	116	20	131.5	3.84
2V010U140500401	5C	14	0.47	136	20	164.4	4.19
2V010U140600401	6C	14	0.51	160	20	197.3	4.55
2V010U140700401	7C	14	0.51	175	17.5	230.2	4.55
2V010U140800401	8C	14	0.57	215	17.5	263.0	5.17
2V010U141000401	10C	14	0.67	266	12.5	328.8	6.01
2V010U141200401	12C	14	0.69	304	12.5	394.6	6.19
2V010U141400401	14C	14	0.72	347	12.5	460.3	6.50
2V010U141600401	16C	14	0.76	386	12.5	526.1	6.85
2V010U142000401	20C	14	0.84	475	12.5	657.6	7.57
2V010U143000401	30C	14	1.03	714	11.25	986.4	9.26
2V010U144000401	40C	14	1.15	917	10	1315.2	10.32
2V010U145000401	50C	14	1.27	1125	8.75	1644.0	11.45
2V010U120200401	2C	12	0.41	97	30	104.5	3.67
2V010U120300401	3C	12	0.43	126	30	156.7	3.88
2V010U120400401	4C	12	0.47	155	24	209.0	4.23
2V010U120500401	5C	12	0.51	189	24	261.2	4.62
2V010U120600401	6C	12	0.59	240	24	313.4	5.30
2V010U120700401	7C	12	0.59	264	21	365.7	5.30
2V010U120800401	8C	12	0.63	293	21	417.9	5.71
2V010U121000401	10C	12	0.74	364	15	522.4	6.66
2V010U121200401	12C	12	0.76	421	15	626.9	6.86
2V010U121400401	14C	12	0.80	479	15	731.4	7.22
2V010U121600401	16C	12	0.89	568	15	835.8	7.97
2V010U122000401	20C	12	0.98	699	15	1044.8	8.79
2V010U123000401	30C	12	1.14	994	13.5	1567.2	10.30
2V010U124000401	40C	12	1.28	1285	12	2089.6	11.50
2V010U125000401	50C	12	1.42	1584	10.5	2612.0	12.78
2V010U100200401	2C	10	0.46	131	40	166.1	4.12
2V010U100300401	3C	10	0.49	173	40	249.1	4.37
2V010U100400401	4C	10	0.53	220	32	332.2	4.78
2V010U100500401	5C	10	0.61	281	32	415.2	5.50
2V010U100600401	6C	10	0.66	332	32	498.2	5.98
2V010U100700401	7C	10	0.66	368	28	581.3	5.98
2V010U100800401	8C	10	0.72	413	28	664.3	6.45
2V010U101000401	10C	10	0.84	515	20	830.4	7.56
2V010U101200401	12C	10	0.91	631	20	996.5	8.16
2V010U101400401	14C	10	0.95	722	20	1162.6	8.57
2V010U101600401	16C	10	1.00	805	20	1328.6	9.03
2V010U102000401	20C	10	1.11	997	20	1660.8	9.98
2V010U103000401	30C	10	1.30	1432	18	2491.2	11.74
2V010U104000401	40C	10	1.46	1860	16	3321.6	13.15
2V010U105000401	50C	10	1.63	2299	14	4152.0	14.64

*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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