

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

SPEC: SF625C

ShawFlex UL Tray Longitudinal Corrugated Copper Tape Shielded Control cables offer an effective way to protect your electrical property against electrical interference and noise in the substation environment. Permitted for Exposed Run (ER) use in accordance with NEC, reducing the installation cost and time. Offering superior performance in harsh environment with all color sunlight resistance jacket, -40C cold bend, and oil resistance.

VOLTAGE

600 V

PRODUCT CONSTRUCTION

Conductor:

- 14 AWG through 10 AWG fully annealed standard bare copper per Class B ASTM B8 stranding

Insulation:

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

Metallic Shield:

- Overall Longitudinal Corrugated 5mil copper tape

Jacket:

- Polyvinyl Chloride (PVC), Sunlight Resistant in all colors

CERTIFICATION/COMPLIANCES

- UL 1277, Tray Cable (TC-ER)
- UL 44 Type XHHW-2
- IEEE 1202/FT4, UL 1685
- ICEA T-29-520
- UL 1581/UL 2556 VW-1
- SUN RES in all colors
- DIR BUR
- -40°C Cold Bend
- OIL RES I

COLOR CODING

- Color-coded per ICEA Method 1, Table E-2

*Optional color codes are available

LEGEND

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

600 V

VOLTAGE

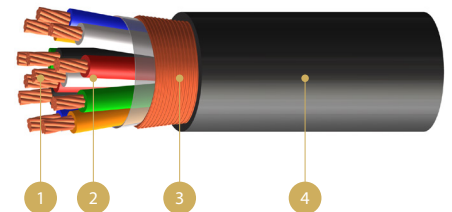
UL Type TC-ER

CONTROL

OVERALL LONGITUDINAL

CORRUGATED COPPER

TAPE SHIELDED



1. Stranded Bare (ASTM B8) Annealed Copper Conductors (Tinned Available)
2. FR XLPE (XHHW-2 Rated) Insulated Conductors
3. Longitudinal Corrugated 5mil Copper Tape
4. Polyvinyl Chloride (PVC) 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  

 SHAWCOR

PART NUMBER	CONDUCTOR COUNT	CONDUCTOR 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
2V015U140200201	2	14	0.47	116	25	66	8.39
2V015U140300201	3	14	0.49	135	25	99	8.76
2V015U140400201	4	14	0.52	158	20	132	9.38
2V015U140500201	5	14	0.59	199	20	164	10.60
2V015U140600201	6	14	0.64	226	20	197	11.50
2V015U140700201	7	14	0.64	241	17.5	230	11.50
2V015U140800201	8	14	0.67	271	17.5	263	12.04
2V015U141000201	10	14	0.76	327	12.5	329	13.72
2V015U141200201	12	14	0.78	365	12.5	395	14.08
2V015U141400201	14	14	0.81	412	12.5	460	14.52
2V015U141600201	16	14	0.89	484	12.5	526	15.93
2V015U142000201	20	14	0.96	589	12.5	658	17.37
2V015U143000201	30	14	1.13	810	11.25	986	20.39
2V015U144000201	40	14	1.23	1023	10	1315	22.16
2V015U145000201	50	14	1.37	1238	8.75	1644	24.59
2V015U120200201	2	12	0.49	138	30	104	8.86
2V015U120300201	3	12	0.52	167	30	157	9.28
2V015U120400201	4	12	0.58	218	24	209	10.52
2V015U120500201	5	12	0.64	254	24	261	11.48
2V015U120600201	6	12	0.68	296	24	313	12.29
2V015U120700201	7	12	0.68	320	21	366	12.29
2V015U120800201	8	12	0.75	351	21	418	13.47
2V015U121000201	10	12	0.82	430	15	522	14.83
2V015U121200201	12	12	0.89	519	15	627	15.96
2V015U121400201	14	12	0.93	591	15	731	16.67
2V015U121600201	16	12	0.98	650	15	836	17.63
2V015U122000201	20	12	1.07	794	15	1045	19.27
2V015U123000201	30	12	1.23	1100	13.5	1567	22.10
2V015U124000201	40	12	1.37	1399	12	2090	24.70
2V015U125000201	50	12	1.51	1710	10.5	2612	27.26
2V015U100200201	2	10	0.58	194	40	166	10.48
2V015U100300201	3	10	0.60	236	40	249	10.79
2V015U100400201	4	10	0.64	290	32	332	11.61
2V015U100500201	5	10	0.75	341	32	415	13.41
2V015U100600201	6	10	0.76	394	32	498	13.64
2V015U100700201	7	10	0.76	430	28	581	13.64
2V015U100800201	8	10	0.80	479	28	664	14.41
2V015U101000201	10	10	0.97	630	20	830	17.53
2V015U101200201	12	10	0.99	719	20	996	17.83
2V015U101400201	14	10	1.05	811	20	1163	18.83
2V015U101600201	16	10	1.10	900	20	1329	19.75
2V015U102000201	20	10	1.19	1097	20	1661	21.47
2V015U103000201	30	10	1.41	1552	18	2491	25.35
2V015U104000201	40	10	1.55	1992	16	3322	27.99
2V015U105000201	50	10	1.79	2545	14	4152	32.23

*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.
 Note: Two conductor cables are Type TC only (Not ER rated).

FOR FURTHER INFORMATION, PLEASE CONTACT:

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