FR-XLPE/LSZH (Thermoset)

CONSTRUCTION AT A GLANCE

CONDUCTOR TYPE (1)
14 – 10 AWG COPPER

INSULATION TYPE (2)
FR-XLPE

SHIELD TYPE
N/A

JACKET TYPE (3)
THERMOSET
SOLONON® (LSZH)

APPLICATIONS

- Predominantly used in utility substations
- Can be installed indoors or outdoors, in cable trays, conduit, underground duct, or direct buried in wet or dry locations
- Conductor operating temperatures are not to exceed 90°C wet or dry
- Rated 600 Volts

CONSTRUCTION DETAILS

- **Conductors**
  - 14 AWG thru 10 AWG Annealed Class B Copper Unilay Compressed Stranded
- **Insulation**
  - Flame Retardant Cross-Linked Polyethylene (FR-XLPE)
  - XHHW
  - Color Coded per ICEA S-73-532, Method 1, Table E-2
- **Assembly**
  - Cabled with non-hygroscopic polyethylene fillers in order to give the cable a circular cross-section, when needed
  - Wrapped with a Mylar binder
- **Overall Jacket**
  - Heat, Moisture and Sunlight Resistant Thermoset SOLONON® (LSZH)
- **Print**
  - SOUTHWIRE XXAWG XX/C FR-XLPE (XHHW-2) CDRS 90C SOLONON JKT TYPE TC 600V SUN. RES. DIRECT BURIAL YEAR SEQUENTIAL FOOTAGE MARKS

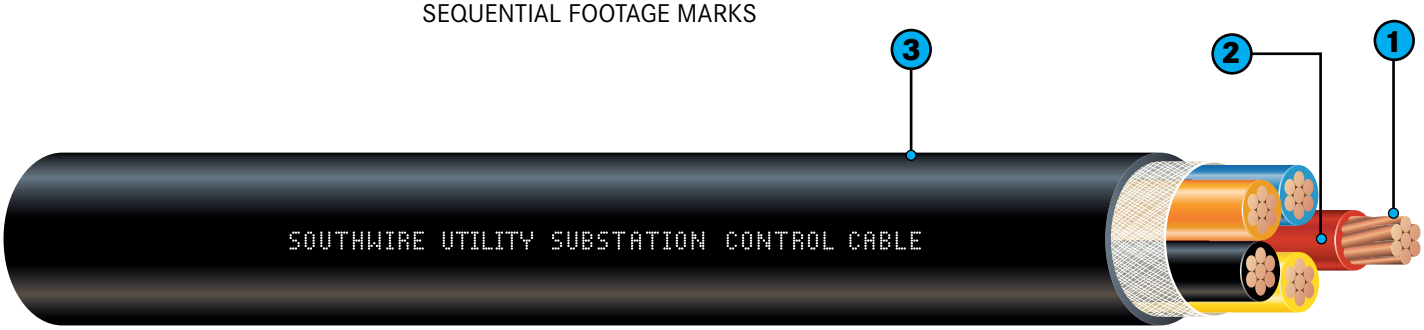
SPECIFICATIONS

Southwire's Type TC Substation Control Cable meets or exceeds:

- All applicable ASTM Standards
- ANSI/ICEA S-73-532
- UL 44 Type XHHW-2 rated VW-1
- UL 1277
- UL 1581
- UL 1685
- IEEE 1202
- RoHS Compliant

OPTIONS

- Stranding Classes – C, K
- Tin-Coated Copper Conductors
- Color Coding Methods per ICEA S-73-532
- Shielded Constructions - Longitudinal Corrugated CU Tape, Helical CU or AL Tape, or Longitudinal AL Tape with Mylar Bonding
- Rip Cord
- Ground Wire
- Jacket Materials – PVC, Thermoplastic SOLONON® (LSZH), CPE
- Other Constructions Available upon Request



Number of Conductors	Conductor Size (AWG)	Nominal Jacket Thickness (inches)	Nominal Overall Diameter		Approximate Weight	
			inches	mm	lbs/1000 ft.	kg/km
Unshielded AWG 14 (7 strands)						
2	14	0.045	0.349	8.9	69	103
3	14	0.045	0.370	9.4	95	142
4	14	0.045	0.403	10.2	116	173
5	14	0.045	0.440	11.2	137	204
6	14	0.045	0.479	12.2	160	238
7	14	0.045	0.479	12.2	180	268
8	14	0.060	0.549	13.9	220	328
9	14	0.060	0.588	14.9	244	364
10	14	0.060	0.638	16.2	271	403
12	14	0.060	0.659	16.7	312	465
Unshielded AWG 12 (7 strands)						
2	12	0.045	0.384	9.8	93	139
3	12	0.045	0.408	10.4	126	188
4	12	0.045	0.445	11.3	161	240
5	12	0.045	0.487	12.4	187	279
6	12	0.060	0.562	14.3	238	354
7	12	0.060	0.562	14.3	267	398
8	12	0.060	0.607	15.4	301	449
9	12	0.060	0.651	16.5	337	501
10	12	0.060	0.709	18.0	373	555
12	12	0.060	0.732	18.6	434	646
Unshielded AWG 10 (7 strands)						
2	10	0.045	0.431	11.0	127	189
3	10	0.045	0.459	11.7	177	263
4	10	0.045	0.502	12.8	225	334
5	10	0.060	0.581	14.8	285	424
6	10	0.060	0.632	16.1	335	499
7	10	0.060	0.632	16.1	379	564
8	10	0.060	0.685	17.4	430	639
9	10	0.060	0.736	18.7	479	713
10	10	0.060	0.803	20.4	532	791
12	10	0.080	0.870	22.1	657	977

Dimensions and weights shown above are nominal and subject to industry tolerances.