

Traction Cable Copper

EPR Insulated, XLPO Jacketed, 2000 V, LSOH Jacket

Features

UL Listed as Traction Power Cable and also listed as 2000 Volt Type RHH/RHW-2.

Moisture, chemicals, and UV resistant jacket.

Low smoke jacket.

Excellent cut-through, crush and abrasion jacket characteristic.

Lead and sulfur/antimony free jacket.

Flame Test: Complete cable meets the following 70,000 BTU vertical flame test.

- UL 1685
- ICEA T-30-520

Application

These cables are used for underground installation in non-metallic, concrete encased duct bank or pendant trapeze struts and supported by insulating clamps in substations.

Suitable for use in wet and dry locations, and to operate continuously at rated value temperature range of -40 °C to 90 °C.

Standards

UL 44

Thermoset Insulated Wires and Cables.

ICEA S-95-658

Nonshielded Power Cables Rated 2000 volts or Less for the Distribution of Electrical Energy.

ICEA T-33-655

Low Smoke, Halogen Free (LSHF) Polymeric cable jackets.

Specifications

Maximum operating voltage:

- 2000 Volts.

Maximum conductor operation temperatures:

- 90 °C wet and dry locations

Engineering Information

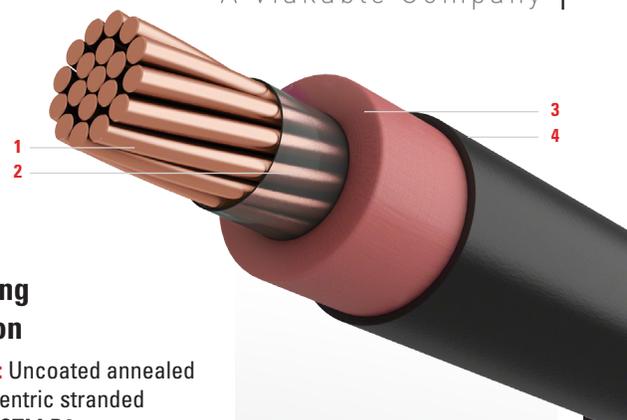
1. Conductor: Uncoated annealed Class B concentric stranded copper per ASTM B8.

On request, coated copper wires.

2. Separator: A suitable opaque tape, as required.

3. Insulation: Flame retardant thermoset ethylene propylene rubber (EPR) compound.

4. Jacket: Low smoke, lead free and halogen free (LSOH) Flame retardant cross-linked polyolefin (XLPO) overall jacket per ICEA T-33-655.



Technical Data

2000 V LSOH EPR Insulated

Size AWG or kcmil	Number of Strands	Insulation Thickness	Jacket Thickness	Nominal Outside Diameter	Approximate Net Weight
		mil	mil	in	lb/kft
1/0	19	90	45	0.65	469
2/0	19	90	45	0.70	566
3/0	19	90	45	0.75	687
4/0	19	90	65	0.85	874
250	37	105	65	0.92	1035
300	37	105	65	0.98	1208
350	37	105	65	1.03	1381
400	37	105	65	1.07	1545
500	37	105	65	1.15	1889
600	61	120	65	1.26	2264
750	61	120	65	1.37	2766
1000	61	120	65	1.51	3595
1500	91	140	95	1.92	5448
1750	127	140	95	2.03	6262
2000	127	140	95	2.13	7115

The above data are approximate and subject to normal manufacturing tolerances.