

USE/USE-2 Aluminum

XLPE Insulated, 600 V

Features

UL Listed as Types USE/USE-2.

Application

These cables are used in underground installations, and as a service entrance cable.

May be used in wet or dry locations, installed in conduit, duct, open air and direct burial.

Standards

UL 854

Service Entrance cables

ICEA S-95-658/NEMA WC70

Nonshielded 0 – 2 kV cables

Specifications

Maximum operating voltage:

- 600 V

Maximum conductor operation temperatures:

- 90 °C wet and dry

Engineering Information

1. Conductor: Aluminum alloy 1350-H19, compressed Class B stranding, or unilay-compressed per ASTM B231.

Sizes: 6 AWG – 1000 kcmil.

On request, larger sizes available.

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

3. Insulation: Black thermoset cross-linked polyethylene (XLPE).



Technical Data

USE/USE-2 600 V

Size AWG or kcmil	Number of Strands	Insulation Thickness	Approximate Outside Diameter	Approximate Net Weight
		mil	in	lb/kft
6	7	60	0.31	45
4	7	60	0.35	65
2	7	60	0.41	94
1	19	80	0.49	125
1/0	19	80	0.53	150
2/0	19	80	0.57	182
3/0	19	80	0.62	221
4/0	19	80	0.68	271
250	37	95	0.76	323
300	37	95	0.81	377
350	37	95	0.86	431
400	37	95	0.91	485
500	37	95	0.99	590
600	61	110	1.10	711
750	61	110	1.20	870
1000	61	110	1.35	1129

The above data are approximate and subject to normal manufacturing tolerances. Other sizes available upon request.

Ampacities: Refer to beginning of section.

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