

# USE/USE-2 Copper

XLPE Insulated, 600 V

## Features

UL Listed as Type USE/USE-2.  
Complete cable is Lead Free and RoHS compliant.

## 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 – 2kV Cables.

## Specifications

Maximum operating voltage:  
• 600 volts  
Maximum conductor operation temperatures:  
• 90 °C wet and dry

## Engineering Information

**1. Conductor:** Soft annealed uncoated copper compressed Class B stranding, or unilay-compressed per ASTM B8.

**Sizes:** 14 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
14	7	45	0.16	22
12	7	45	0.18	31
10	7	45	0.20	45
8	7	60	0.25	73
6	7	60	0.31	102
4	7	60	0.35	154
3	7	60	0.37	190
2	7	60	0.41	236
1	19	80	0.49	305
1/0	19	80	0.53	377
2/0	19	80	0.57	468
3/0	19	80	0.62	582
4/0	19	80	0.68	725
250	37	95	0.76	860
300	37	95	0.81	1022
350	37	95	0.86	1184
400	37	95	0.91	1345
500	37	95	0.99	1666
600	61	110	1.10	2002
750	61	110	1.20	2481

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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