

USE-2/RHH/RHW GENERAL SPECIFICATIONS

Product Description: Single-conductor wire, sunlight resistant, rated at 90°C wet or dry, 600V, 1000V or 2000V

Standard Color - Black  
Voltage 600/1000V  
Temperature - 40°C to 90°C



UL Standard 44  
Issue Number 16  
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**Construction:**

Single conductor cross-linked polyethylene Type USE-2, flame retardant, VW-1 moisture resistant, RoHS, sunlight resistant, temperature rating 90°C wet or dry, -40°C cold.

P/N	AWG	STRAND	INS THICKNESS	NOM DIA.	APPROX WEIGHT
0225USE	14	7/BC	.045	.160	18
0215USE	12	7/BC	.045	.180	29
02122USE	10	7/BC	.045	.205	44
02119USE	8	7/BC	.060	.270	75
02131USE	6	7/BC	.060	.309	105
02132USE	4	7/BC	.060	.357	159
TBD	2	7/BC	.060	.419	242

These values are nominal in accordance with industry standards. Additional gauges, tinned copper or flexible stranding are available upon request. Additional colors available with sunlight resistance approval.

**UL Standards**

USE, USE-2 600V per UL854  
RW-90 1000V Per UL44  
RHH, RHW, RHW-2 PER UL44

Vertical flame and FT-1 per UL1581, Section 1060  
XENON-ARG test per 1580, Section 1200  
Flexibility at low temperature per UL1581, Section 583

**Electrical Testing**

Spark test at:  
10,000V RMS 14-10 AWG  
12,500V RMS 8-2 AWG  
Dielectric test potential:  
6,000V RMS 14-10 AWG  
7,500V RMS 8-2 AWG  
in accordance with UL44  
Continuity test per UL44

5/26/09-added AWG's 6-2, updated Electrical Testing

