



Designed to operate under continuous high temperatures, Rubadue Wire is excited to introduce its newest product that is UL approved at 300°C and 600 V.

This new insulated wire has excellent electrical properties at high temperatures and those properties improve when heated to 300°C. This new perfluoropolymer insulation also offers excellent chemical resistance, increased stress crack resistance, low flammability and longer life at higher temperatures than comparable polymers making it an exceptional product for the oil and gas industry and other high temperature wire applications.

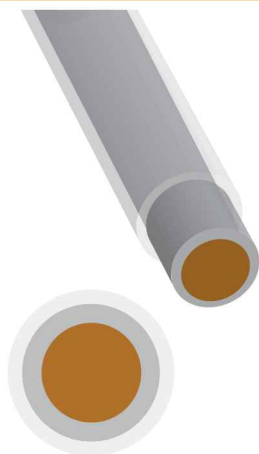
Insulation	Size Range	Conductor	Ins. Layers	Temp. Rating	Voltage Rating	Page
ECA 3000	8-30 AWG	27% NPC	1	300°C	600 V	51
ECA 3000	8-30 AWG	2% NPC	1	250°C	600 V	52
ECA 3000	8-30 AWG	SPC	1	200°C	600 V	52

Rubadue Wire is the first manufacturer to establish a UL 300°C AWM Style (UL AWM 11540) ranging from a 30 AWG – 8 AWG.

300°C



# Single Insulated DuPont™ ECctreme® ECA 3000



**Product Construction:**

**Size Range:**

8 AWG - 30 AWG

**Conductor:**

27% Nickel plated copper, Solid or Stranded (ASTM B355)

**Insulation:**

DuPont™ ECctreme® ECA 3000

**Rating:**

Temperature: 300° C

**Voltage:**

600 V

**Applications:**

Commonly used in applications that require a higher operating temperature.

**Compliances:**

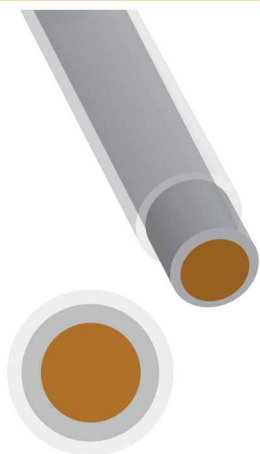
UL AWM 11540, RoHS Compliant

Tensile Strength: 2280 psi

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D.		WEIGHT LB/KFT
		INCHES	MM	INCHES	MM	
<b>S8NC133ECC-10</b>	8 (133/29)	0.1674	4.252	0.1874	4.760	57.32
<b>S12NC19ECC-7</b>	12 (19/25)	0.0855	2.172	0.0995	2.527	21.64
<b>S14NC19ECC-7</b>	14 (19/27)	0.0700	1.778	0.0840	2.134	13.12
<b>S16NC19ECC-5</b>	16 (19/29)	0.0546	1.387	0.0646	1.641	8.24
<b>S25NC01ECC-5</b>	25	0.0182	0.462	0.0282	0.716	1.33
<b>S26NC01ECC-5</b>	26	0.0160	0.406	0.0260	0.660	1.09
<b>S30NC01ECC-4</b>	30	0.0102	0.259	0.0202	0.513	0.54

300°C

# Single Insulated DuPont™ ECCtreme® ECA 3000



**Product Construction:**

**Size Range:**

8 AWG - 30 AWG

**Conductor:**

2% Nickel plated copper, Solid or Stranded (ASTM B355)

**Insulation:**

DuPont™ ECCtreme® ECA 3000

**Applications:**

Commonly used in applications that require a higher operating temperature.

**Compliances:**

UL AWM 11541, 11542 (200° C)\*\*  
RoHS Compliant

**Rating:**

Temperature: 250° C

**Voltage:**

600 V

Tensile Strength: 2280 psi

300°C

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D.		WEIGHT LB/KFT
		INCHES	MM	INCHES	MM	
S8N133ECC-10	8(133/29)	0.1650	4.191	0.1850	4.699	58.71
S10N37ECC-10	10(37/26)	0.1070	2.718	0.1270	3.226	34.28
S12N19ECC-7	12(19/25)	0.0862	2.189	0.1002	2.545	20.76
S14N19ECC-7	14(19/27)	0.0679	1.725	0.0819	2.080	13.37
S16N19ECC-5	16(19/29)	0.0539	1.369	0.0639	1.623	8.37
S16N01ECC-5	16	0.0508	1.290	0.0608	1.544	8.65
S18N19ECC-5	18(19/30)	0.0476	1.209	0.0576	1.463	6.66
S18N01ECC-5	18	0.0403	1.024	0.0503	1.278	5.60
S20N19ECC-5	20(19/32)	0.0385	0.978	0.0485	1.232	4.40
S20N01ECC-5	20	0.0320	0.813	0.0420	1.067	3.65
S22N19ECC-5	22(19/34)	0.0295	0.749	0.0395	1.003	2.85
S22N01ECC-5	22	0.0253	0.643	0.0353	0.897	2.39
S24N19ECC-5	24(19/36)	0.0242	0.615	0.0342	0.869	1.91
S24N01ECC-5	24	0.0201	0.511	0.0301	0.765	1.60
S25N01ECC-5	25	0.0179	0.454	0.0279	0.709	1.31
S26N19ECC-5	26(19/38)	0.0190	0.483	0.0290	0.737	1.25
S26N01ECC-5	26	0.0159	0.404	0.0259	0.658	1.08
S28N01ECC-4	28	0.0126	0.320	0.0206	0.523	0.68
S30N01ECC-4	30	0.0100	0.254	0.0180	0.457	0.47

\*\*For UL 11542 which is rated 200° C the part number will be SXXBXXECC-X which is a Silver Plated Copper conductor

