



# SELF-REGULATING HEAT CABLE DATA SHEET

All Weather Armour self-regulating roof and gutter de-icing cables are designed for commercial and residential (hazardous and non-hazardous) applications to create drain paths needed to prevent ice dams and ice build-up that can cause extensive damage to roof and gutter systems, without consuming excess energy. The power output will increase as ambient temperature decreases in the presence of ice or snowfall.

**Features**

- Regulates power output in response to changes in the ambient conditions
- Cable can overlap across itself without risk of overheating and/or burnout for easy installation around roof, gutters, and downspouts
- Cable can be cut or extended to required length on jobsite for ultimate versatility
- Cable can also be used for pipe freeze protection applications

**SELF-REGULATING HEATING CABLE**

**Model Numbers**

AWA13FP10W1 - 10W 120 Volt  
AWA13FP10W2 - 10W 240 Volt

**Output per/foot @ 32°F**

15 watts - AWA13FP10W1&2

**Output per/foot @ 0°F**

30 watts - AWA13FP10W1&2

**Voltage**

120V (100V -130V )  
240V (208V -277V )

**Cable Dimensions**

0.51 inches x 0.22 inches  
(13.1mm x 5.6mm)

**Minimum Bend Radius**

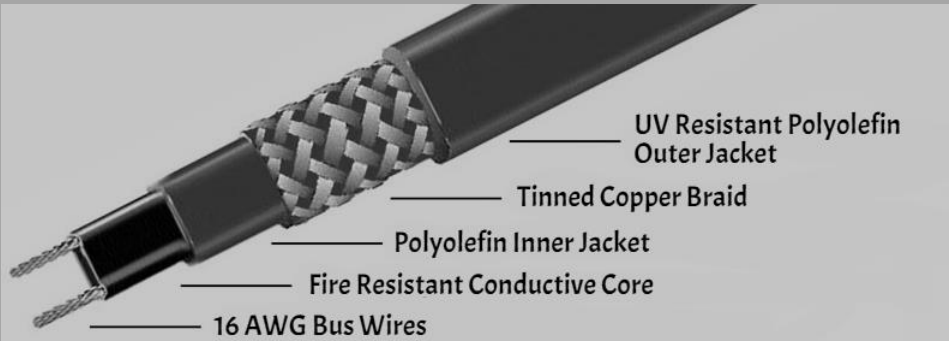
1.18 inches (30mm)

**Maximum Exposure Temp.**

150°F (66°C)

**Warranty**

10 Years – If recorded within 30 days



START UP TEMPERATURES		120 VOLT CIRCUIT SIZE				240 VOLT CIRCUIT SIZE			
		15 AMP	20 AMP	30 AMP	40 AMP	15 AMP	20 AMP	30 AMP	40 AMP
-4 F	-20 C	85'	110'	150'	150'	145'	195'	295'	310'
GAUGE WIRE FROM PANEL		14 GA	12 GA	10 GA	10 GA	14 GA	12 GA	10 GA	10 GA

**CAUTION: MUST STAY WITHIN THE MAXIMUM FOOTAGE ALLOWED FOR CIRCUIT SIZE TO PREVENT LOAD TRIPS**

**Ground-fault Protection**

All Weather Armour and National Electrical Codes require 30-mA equipment ground-fault protection on each heating cable branch circuit to reduce the danger of fire caused by continuous electrical arcing resulting from improper installation or damage to the heating cable. Conventional circuit protection may not be suitable for preventing electrical arcing.

**Controls**

The self-regulating cable can operate safely without the use of thermostats or controls but use of thermostats or controls is recommended to improve energy efficiency. Please contact your All Weather Armour Representative for more information on our sensors and controls.

