

# 自動車用架橋ポリエチレン耐熱低圧電線

**AEX**  
 HEAT-RESISTANT CROSSLINKED POLYETHYLENE  
 INSULATED LOW-VOLTAGE CABLE

### Features

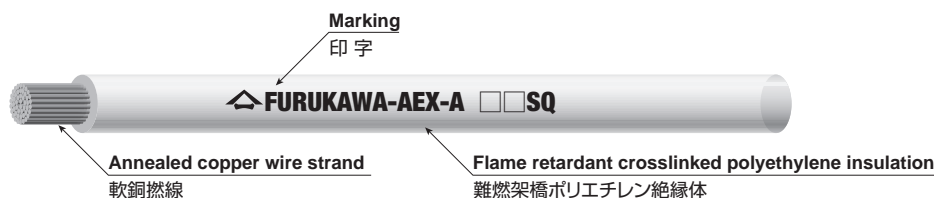
- 特長**
- AVXより耐熱性を大幅に向上させ、自動車用の配線雰囲気の温度上昇に対応でき信頼性の高い配線が可能。
  - 耐熱区分：120℃。
  - Significantly improved than AVX in heat resistance, enabling high-reliability wiring to cope with temperature increases in automobile's wiring environments.
  - Heat resistance category : 120 °C

### Standard

- 規格** ● JASO D 611

### Construction and performance

### 構造性能



### 構成 Composition

Nominal size 呼び	Conductor 導体 (軟銅撚線) Annealed copper wire strand			Insulation 絶縁体		Reference 参考		
	Construction (No/mm) 構成 (本/mm)	Calculated area (mm <sup>2</sup> ) 計算断面積	Outer diameter (mm) 外径	Thickness (mm) 厚さ	Outside diameter (mm) 仕上外径	Resistance 20°C (Ω/m) 導体抵抗	Mass (g/m) 製品質量	Allowable current (A) 許容電流
	0.5f	20/0.18	0.5087	1.0	0.5	2.0	0.0367	9
0.5	7/0.32	0.5629	1.0	0.5	2.0	0.0327	9	11
0.75f	30/0.18	0.7630	1.2	0.5	2.2	0.0244	11	13
0.85	11/0.32	0.8846	1.2	0.5	2.2	0.0208	13	15
1.25f	50/0.18	1.273	1.5	0.6	2.7	0.0147	17	19
1.25	16/0.32	1.287	1.5	0.6	2.7	0.0143	17	19
2	26/0.32	2.091	1.9	0.6	3.1	0.00881	25	26
3	41/0.32	3.297	2.4	0.7	3.8	0.00559	39	35
5	65/0.32	5.228	3.0	0.8	4.6	0.00352	60	47
8	50/0.45	7.952	3.7	0.8	5.3	0.00232	90	61
10	63/0.45	10.02	4.2	1.0	6.2	0.00184	110	74
15	84/0.45	13.36	4.8	1.1	7.0	0.00138	150	88

※許容電流は、導体最高許容温度120℃、周囲温度80℃の場合の計算値です。

The allowable current is calculated at maximum allowable conductor temperature of 120°C and ambient temperature of 80°C.