

# FAA-L-824 Underground primary cable for Airport lighting circuits

## TPE insulated cable 5 kV

1/1

**(XCP)**

acc. to customer &amp; manufacturer specification



### Construction

1. Stranded copper conductor
2. TPE Santoprene insulation- black

### Properties

- Abrasion resistant
- Oil resistant
- UV resistant
- Deicer resistant (FR/KAc)
- Service temperature: -40 ... +90 °C
- Min. bending radius: 5x outer diameter
- Max. pulling force: copper cross-section (in mm<sup>2</sup>) x 50 N/mm<sup>2</sup>
- Min. laying temperature: -5 °C

### Dimensions

| Cross-section | Conductor assembly | Insulation thickness<br>mm | Overall diameter<br>mm | Weight<br>kg/km |
|---------------|--------------------|----------------------------|------------------------|-----------------|
| 1 x AWG 8     | 19-stranded        | 2,8                        | 9,4                    | 134             |

### Electrical characteristics

| Cross-section | Conductor resistance <sup>(1)</sup><br>Ω/km @ 20 °C | Voltage test (in water) <sup>(1)</sup><br>kV <sub>dc</sub> -min. | Insulation resistance <sup>(1)</sup><br>MΩ.km @ 15,6 °C |
|---------------|---|--|---|
| 1 x AWG 8     | <2,10   | 35 - 5   | 2398  |

<sup>(1)</sup> routine test

All information given is indicative only and not binding and can be subject to change without notice.