

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

1/1

TPE insulated cable 5 kV
(XCP)

acc. to customer & 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 mm²) x 50 N/mm²
- Min. laying temperature: -5 °C

Dimensions

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

Electrical characteristics

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

⁽¹⁾ routine test