

APC - Airport Pavement Cable 0,6 kV

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Reference Standard :

FAA 150/5345 - 30


Construction

1. Stranded copper conductor
2. PVC insulation (85 °C) - colourless
3. Polyamid (nylon) outer sheath, melting point 185 °C - black

Properties

- Abrasion resistant
- Oil resistant
- UV resistant
- Deicer resistant (FR/KAc)
- Service temperature: -40 ... +85 °C
- Min. bending radius: 5x outer diameter
- Max. pulling force: total copper cross-section x 50 N/mm²
- Min. laying temperature: -5 °C

Dimensions

Cross-section	Conductor assembly	Insulation thickness mm	Sheath thickness mm	Overall diameter mm	Weight kg/km
1 x AWG 12	7-stranded	0,6	0,15	3,8	41
1 x AWG 10	7-stranded	0,8	0,15	4,9	66
1 x 4 mm ²	7-stranded	0,6	0,15	4,1	48

Electrical characteristics

Cross-section	Conductor resistance Ω/km @ 20 °C	Voltage test (in water) kV _{ac} -min.	Insulation resistance MΩ.km @ 15,6 °C
1 x AWG 12	<5,34	3 - 5	>111
1 x AWG 10	<3,34	3 - 5	>113
1 x 4 mm ²	<4,61	3 - 5	>100