

# PRIMARY AIRFIELD LIGHTING CABLE

## Standards :







NF C 33-225

FAA L 824

## Rated voltage

Rated voltage : 6/10 (12) kV

## Application

	S	T						
<b>Excellent</b>		•	•		•		•	
<b>Good</b>				•		•		
<b>Medium</b>	•							• *

(\*) Flame retardant with PVC or HFFR sheath

These primary airfield cables feed transformers and lights. In a typical primary airfield lighting circuit, a constant current regulator is used (6,6 A or 20 A)

## Installation

- Suitable for installation in conduit, ducts or direct burial.

## Spécification/Construction

- Stranded copper conductor (class 2)
- Inner semiconductive layer
- XLPE
- Strippable or fully bonded outer semiconductive layer
- Copper tape helically applied screen (optional :copper wires screen)
- Outer PVC, HFFR or XLPE sheath (black or red)



## SILEC CABLE

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Rue de Varennes prolongée - 77876 MONTEREAU CEDEX - FRANCE  
SAS au capital de 60 037 000 € - 484 920 194

## Primary airfield lighting cable (continued)

## Maximum allowable temperature

- During continuous service : 90 °C.
- During short-circuit : 250 °C.

## Outer marking

*Example* : SILEC BALISAGE PRIMAIRE FR-N10 XC7X-R 1x6 C 33 225 221 « année »

## Special requirements

Cables can have special properties such as fungous and/or termites resistant.

## General characteristics

Maximum soil temperature : 20 °C – Soil thermal resistivity : 1 K.m/W.  
Maximum air temperature : 30 °C.

## PRIMARY AIRFIELD LIGHTING CABLES

Outer diameter mm		Approximate weight kg/km	Cross section	Maximum Ampacity		Rated voltage drop per km (cos φ = 0,8)	Rated voltage	Standard
				Buried	In ducts			
Over insulation mm	Over sheath mm	Cu kg	mm <sup>2</sup>	Cu A	Cu A	V/A.km	kV	
11,5	15,5	260	6	83	82	6,48	6/10 (12)	NF C 33-225
9,0	12,0	205	6	83	82	6,48	5	FAA L 824 C

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