



Your Selection : 0011285 FXQJ 1 kV 3X70/35

Intensity (A) : 180

Voltage (V) : 400

Length (m) : 50.0

Operating activity (%) : 60.0

Average lifetime (years) : 30

kWh price (SEK) : 1.0

Discount (%) : 0




Voltage Drop (%) : 5.0

Power Factor (cos φ) : 0.8

tz = Temperature Max. (° C) : 90

ta = Temperature laying (° C) : 30

Our alternatives :

Cable type	FXQJ 1 kV 3X95/50
Savings per year	2401 kWh 2401 (SEK) 720 kg equivalent CO ₂
Payback	
Profit	78317 (SEK)
Payback time	7.1 Years
 Reduce carbon footprint 5 flights Stockholm - Paris *	√
 Be energy efficient	√
 Protect life in case of fire thanks to low fire hazard cables	√

* Based on specified length for 1 person.(7132km)

 Be sustainable with [FXQJ 1 kV 3X95/50](#)


More information on Nexans commitment as regards sustainable development

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Your Selection : 0011295 FXQJ 1 kV 3X95/50

Intensity (A) : 250

Voltage (V) : 400

Length (m) : 75.0

Operating activity (%) : 50.0

Average lifetime (years) : 30

kWh price (SEK) : 1.0




Discount (%) : 50

Voltage Drop (%) : 5.0

Power Factor (cos φ) : 0.8

tz = Temperature Max. (° C) : 90

ta = Temperature laying (° C) : 30

	Your Selection	Our alternatives :
Reference	0011295	0011305
Name	FXQJ 1 kV 3-conductor	FXQJ 1 kV 3-conductor
Cross section	95	120
Nb active conductors	3	3
Maximum Permissible Current (A)	298	346
Energy Losses / year		
Energy loss (kWh)	14228	10902
CO2 emission associated to Energy loss ¹	4268	3271
Costs		
Cable cost ²	45000 (SEK)	53250 (SEK)
Loss cost / year ³	14228 (SEK)	10902 (SEK)
Savings per year⁴		
In kWh		3326
In SEK		3326
kg equivalent CO2		998 kg equivalent CO2
Payback		
Profit ⁵		141118 (SEK)
Payback time ⁶		2.5 Years
 Reduce carbon footprint		√
	7 flights Stockholm - Paris *	
 Be energy efficient		√
 Protect life in case of fire thanks to low fire hazard cables		√

* Based on specified length for 1 person.(9879km)

Comments

Energy Losses

¹ CO2 emissions associated to the energy losses: the value used to calculate the equivalent CO2 of the energy losses is 0.3 Kg eq CO2 / kWh

Costs

² Correspond to the price of the cable for the specified length

³ Energy losses cost per year is based on the electricity price

Savings per year

⁴ Savings made per year (loss difference) in euro, kWh and kg equivalent CO2

Payback

⁵ Estimate profit made if savings had been invested (once breakeven reached) for the rest of the lifetime period (at an interest rate of 3.0 %)

⁶ Necessary time to reach breakeven (to offset the larger amount of money invested at the beginning)

Detailed calculation
(login required)



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