

# LINEAX 5G50

## Power Cables



<b>Product Name</b>	<b>LINEAX 5G50</b>
<b>Manufacturer</b>	Nexans
<b>Category</b>	Power Cables

## TECHNICAL SPECIFICATIONS

### Construction characteristics

With Green/Yellow core	Yes
Conductor flexibility	Flexible class 5
Conductor material	Plain annealed copper
Conductor shape	Circular
Insulation	Cross-linked synthetic elastomer type EI 4
Lead free	Yes
Outer sheath	Cross-linked synthetic elastomer type EM 2
Sheath color	Black
With smaller neutral conductor	No

### Dimensional characteristics

Number of cores	5
Conductor cross-section	50 mm <sup>2</sup>
Maximum outer diameter	53.0 mm
Minimum outer diameter	41.8 mm
Approximate weight	3827 kg/km
Neutral conductor section (when smaller)	- mm <sup>2</sup>

### Mechanical characteristics

Mechanical resistance to impacts	Very good
Cable flexibility	Flexible

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### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	450/750 V
Permissible current rating in open air	182 A
Voltage drops, single phase	- V/A.km

### Usage characteristics

Packaging	Cut to length
Length	- m
Chemical resistance	Accidental
Waterproof	Good
Flame retardant	IEC 60332-1
Max. conductor temperature in service	85 °C
Minimum dynamic operating bending radius	318.0 mm
Minimum static operating bending radius	159 mm
Oil resistance	Yes
Operating temperature, range	-25 ... 55 °C
Short-circuit max. conductor temperature	200 °C
Weather resistance	Very good

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