

# LINEAX 1X150

## Power Cables



<b>Product Name</b>	LINEAX 1X150
<b>Manufacturer</b>	Nexans
<b>Category</b>	Power Cables

## TECHNICAL SPECIFICATIONS

<b>Construction characteristics</b>	
With Green/Yellow core	No
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
<b>Dimensional characteristics</b>	
Number of cores	1
Conductor cross-section	150 mm <sup>2</sup>
Maximum outer diameter	31.4 mm
Minimum outer diameter	25.2 mm
Approximate weight	1751 kg/km
Neutral conductor section (when smaller)	- mm <sup>2</sup>

<b>Mechanical characteristics</b>	
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	416 A
Voltage drops, single phase	0.35 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	188.4 mm
Minimum static operating bending radius	94.2 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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