

LINEAX 1X70

Power Cables



Product Name	LINEAX 1X70
Manufacturer	Nexans
Category	Power Cables

TECHNICAL SPECIFICATIONS

Construction characteristics

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

Dimensional characteristics

Number of cores	1
Conductor cross-section	70 mm ²
Maximum outer diameter	23.3 mm
Minimum outer diameter	18.6 mm
Approximate weight	895 kg/km
Neutral conductor section (when smaller)	- mm ²

Mechanical characteristics

Mechanical resistance to impacts	Very good
Cable flexibility	Flexible

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Electrical characteristics

Rated Voltage U ₀ /U (U _m)	450/750 V
Permissible current rating in open air	254 A
Voltage drops, single phase	0.56 V/A.km

Usage characteristics

Packaging	-
Length	- m
Chemical resistance	Accidental
Waterproof	Good
Flame retardant	IEC 60332-1
Max. conductor temperature in service	85 °C
Minimum dynamic operating bending radius	139.8 mm
Minimum static operating bending radius	- 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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