

LINEAX 5G6

Power Cables



| | |
|---------------------|-------------------|
| Product Name | LINEAX 5G6 |
| Manufacturer | Nexans |
| Category | 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 | 6 mm ² |
| Maximum outer diameter | 22.2 mm |
| Minimum outer diameter | 17.5 mm |
| Approximate weight | 583 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 | 50 A |
| Voltage drops, single phase | - V/A.km |

Usage characteristics

| | |
|--|---------------|
| Packaging | Coil |
| Length | 100 m |
| Chemical resistance | Accidental |
| Waterproof | Good |
| Flame retardant | IEC 60332-1 |
| Max. conductor temperature in service | 85 °C |
| Minimum dynamic operating bending radius | 133.2 mm |
| Minimum static operating bending radius | 66.6 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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