

TRS 5-35.0

Tough Rubber Sheath 5-core 35.0mm Mains Cable

LINEAX flexible cable is intended for installations with moving equipment, electric appliances and for building sites. The cable may be rated 0,6/1 kV where the installation has built-in protection and for motors in lifting appliances, machine tools etc.

This cable can be used in refrigerating installations. It can be installed in open air or be buried but with extra mechanical protection.

Max continuous operating conductor temperature in normal use :

+60°C (in every case of mobile installation)

+85°C (fixed protected installation)

+200°C (in short circuit)

Permissible current rating is measured for an ambient temperature of 30°C and a maximum operating and conductor temperature of 85°C .

Construction Characteristics	
Sheath Colour	Black
Conductor Material	Bare copper
Conductor Flexibility	Flexible, class 5
Insulation	Special cross-linked elastomer
Outer Sheath	Special cross-linked elastomer
Dimensional Characteristics	
Conductor Cross-Section	35mm/sq
Number of Cores	5
Minimum Outer Diameter	35.8mm
Maximum Outer Diameter	45.1mm
Approx. Weight	2685kg/km
Electrical Characteristics	
Rated Voltage U ₀ /U (U _m)	450/750V
Permissible Current Rating in Open Air	150A
Mechanical Characteristics	
Mechanical Resistance to Impact	Very good
Cable Flexibility	Flexible
Usage Characteristics	
Chemical Resistance	Accidental
Waterproof	Good
Flame Retardant	C2, NF C 32-070
Operating Temperature Range	-25 to +55°C
Minimum Static Operating Bend Radius	135.3mm
Max. Conductor Temperature in Service	60°C
Minimum Dynamic Operating Bend Radius	270.6mm
Short-Circuit Maximum Conductor Temperature	200°C
Oil Resistance	Yes
Standards	
International	HD 22.4; HD 516; IEC 60245-4 type 66
National	NF C 32-102-4