

LC MOVEPOWER - 1,5mm² to 35mm²/ PUR/unshielded

Contact

Market and Product Information
automation.business@nexans.com

Control cables for extremely dynamic application, up to 1000V, PUR jacket, unshielded, oil resistant, halogen free, UL and CSA approved

DESCRIPTION

LC Movepower for continuous moving application, high flexible, oil resistant and halogen free.

Applications:

- Tracksystem for tread machines
- work centres
- automatic lines for assembly
- handling
- packaging
- Machines for working and cutting marble steel
- granty robots
- everywhere is necessary to combine the best performance with the small dimensions



STANDARDS

International
UL and CSA approval



Halogen free
Yes



Operating temp.
-30 ... 80 °C



Storage temperature, range
-40 ... 80 °C



Oil resistance
EN 50363-10-2



Flame retardant
IEC/EN 60332-1-2; FT1; UL 1581 FT1

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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CHARACTERISTICS

Construction characteristics

Conductor material	Bare copper
Halogen free	Yes
Insulation	Polyolefin
Insulation colour	Black numbered Yellow/Green
Taping	Non woven tape
Outer sheath	PUR
Sheath colour	Grey RAL 7001

Electrical characteristics

Rated Voltage U ₀ /U	1000 V
Test voltage	4000 V









Mechanical characteristics



Bending cycles	10 Mio.
Speed	600 m/min
Maximum acceleration	60 m/s ²

Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	6.5 (xD)
Operating temperature, range	-30 ... 80 °C
Storage temperature, range	-40 ... 80 °C
Oil resistance	EN 50363-10-2
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1

PRODUCT LIST

Nexans Ref.	Country Ref.	Name	Construction type	Number of cores	Conductor cross-section [mm ²]
 F140002V300	F140002V300	LC MOVEPOWER 2 x 4 mmq	2x4	2	4
 F140003V300	F140003V300	LC MOVEPOWER 3 x 4 mmq	3G4	3	4
 10555585	F140004V300	LC MOVEPOWER 4 x 4 mmq	4G4	4	4
 F140005V300	F140005V300	LC MOVEPOWER 5 x 4 mmq	5G4	5	4
 F140007V300	F140007V300	LC MOVEPOWER 7 x 4 mmq	7G4	7	4
 F160003V300	F160003V300	LC MOVEPOWER 3 x 6 mmq	3G6	3	6
 F160004V300	F160004V300	LC MOVEPOWER 4 x 6 mmq	4G6	4	6
 F160005V300	F160005V300	LC MOVEPOWER 5 x 6 mmq	5G6	5	6

 = Make to order,  = In stock,
























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 F160007V300	F160007V300	LC MOVEPOWER 7 x 6 mmq	7G6	7	6
 F1B1003V300	F1B1003V300	LC MOVEPOWER 3 x 10 mmq	3G10	3	10
 F1B1004V300	F1B1004V300	LC MOVEPOWER 4 x 10 mmq	4G10	4	10
 F1B1005V300	F1B1005V300	LC MOVEPOWER 5 x 10 mmq	5G10	5	10
 F1B1007V300	F1B1007V300	LC MOVEPOWER 7 x 10 mmq	7G10	7	10
 F1B1603V300	F1B1603V300	LC MOVEPOWER 3 x 16 mmq	3G16	3	16
 F1B1604V300	F1B1604V300	LC MOVEPOWER 4 x 16 mmq	4G16	4	16
 F1B1605V300	F1B1605V300	LC MOVEPOWER 5 x 16 mmq	5G16	5	16
 F1B2503V300	F1B2503V300	LC MOVEPOWER 3 x 25 mmq	3G25	3	25
 F1B2504V300	F1B2504V300	LC MOVEPOWER 4 x 25 mmq	4G25	4	25
 F1B2505V300	F1B2505V300	LC MOVEPOWER 5 x 25 mmq	5G25	5	25
 F1B3503V300	F1B3503V300	LC MOVEPOWER 3 x 35 mmq	3G35	3	35
 F1B3504V300	F1B3504V300	LC MOVEPOWER 4 x 35 mmq	4G35	4	35
 F115002V300	F115002V300	LC MOVEPOWER 2 x 1,5 mmq	2x1,5	2	1.5
 F115003V300	F115003V300	LC MOVEPOWER 3 x 1,5 mmq	3G1,5	3	1.5
 10555263	F115004V300	LC MOVEPOWER 4 x 1,5 mmq	4G1,5	4	1.5
 10555216	F115005V300	LC MOVEPOWER 5 x 1,5 mmq	5G1,5	5	1.5
 F115006V300	F115006V300	LC MOVEPOWER 6 x 1,5 mmq	6G1,5	6	1.5
 F115007V300	F115007V300	LC MOVEPOWER 7 x 1,5 mmq	7G1,5	7	1.5
 F115008V300	F115008V300	LC MOVEPOWER 8 x 1,5 mmq	8G1,5	8	1.5
 F115010V300	F115010V300	LC MOVEPOWER 10 x 1,5 mmq	10G1,5	10	1.5
 F115012V300	F115012V300	LC MOVEPOWER 12 x 1,5 mmq	12G1,5	12	1.5
 10555583	F125002V300	LC MOVEPOWER 2 x 2,5 mmq	2x2,5	2	2.5

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 10555531	F125003V300	LC MOVEPOWER 3 x 2,5 mmq	3G2,5	3	2.5
 10556325	F125004V300	LC MOVEPOWER 4 x 2,5 mmq	4G2,5	4	2.5
 10555616	F125005V300	LC MOVEPOWER 5 x 2,5 mmq	5G2,5	5	2.5
 F125006V300	F125006V300	LC MOVEPOWER 6 x 2,5 mmq	6G2,5	6	2.5
 F125007V300	F125007V300	LC MOVEPOWER 7 x 2,5 mmq	7G2,5	7	2.5
 F125008V300	F125008V300	LC MOVEPOWER 8 x 2,5 mmq	8G2,5	8	2.5
 F125010V300	F125010V300	LC MOVEPOWER 10 x 2,5 mmq	10G2,5	10	2.5
 F125012V300	F125012V300	LC MOVEPOWER 12 x 2,5 mmq	12G2,5	12	2.5

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