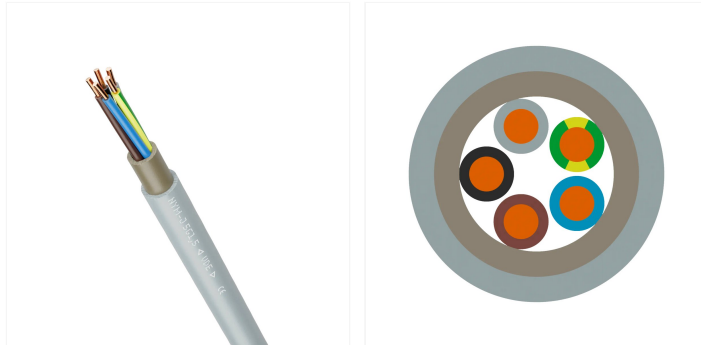


**NYM-J 5G6****Article No.:** 16000523

Installation cable;  $U_0/U$ : 300/500 V; PVC; Conductor identification: Colors; VDE certified;  
Fixed Installation

**Details****Benefits**

- Essential and reliable product for in-house electrical installations.
- VDE-certified cable with <VDE> testing mark for proven reliability and quality.

**Application**

- Can be used universally for connecting the power supply in buildings.
- Suitable for use in AC and DC charging infrastructures for electromobility.
- For installation on, in or under plaster, in brickwork and in stationary concrete.
- Can be used in dry, damp or wet interiors.
- Suitable for light mechanical stress.
- The PVC outer jacket is resistant to acids and alkaline solutions and has limited oil resistance.
- Suitable for outdoor use, subject to the temperature range.

**Notes**

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

Trade product, not a LAPP product.

#### Remarks

Trade product, not a LAPP product.

#### Technical Data

##### General information

Product type	Installation cable
Copper index	1935.1 lb/10000 ft
Industry segment	Agricultural & Farm Machinery Lifts & Elevators Solar

##### Electrical parameters

Nominal voltage	$U_0/U$ : 300/500 V AC rms according to IEC
test voltage	2 kV
Current rating according to	VDE 0298-4

##### Product design

N-german standard cables	NYM-J
Conductor count/size	5x6
Nominal cross section conductor (mm <sup>2</sup> )	6 mm <sup>2</sup>
Conductor material	Bare Copper
Conductor design	IEC 60228 class 1: solid conductor
Including protective ground	Yes
Number of cores	5
Filling compound over the core assembly	Yes
Shielded	No

Min. outer diameter	0.571 in
Max. outer diameter	0.689 in
Cable form	Round
Core insulation base material	Polyvinylchloride
Conductor insulation basic material, short form	PVC
Basic material of outer jacket	Polyvinylchloride
Base material of outer sheath, shortname	PVC
Outer jacket color	gray
Core identification	Colors
Conductor color code	VDE 0293-308

#### Product features

Application area	Fixed Installation
Minimum bending radius, stationary	4 x outer diameter
Minimum bending radius in inch, fixed installation	2.756 in
Temperature, fixed installation	-40 °C to 70 °C max. conductor temperature
Installation temperature min.	5 °C
Max. assembly temperature	70 °C
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2
UV-resistant	No
Halogenfree	No
Oil resistant	No
PWIS-free	No

#### Certifications and standards

CE marking	Yes
EAC certified	Yes
EAC certification number	EAЭC N RU Д-DE.АЮ64.В.00130/20, EAЭC N RU Д-DE.АЮ64.В.00142/20
VDE certified	Yes

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Product standard VDE	VDE 0250-204
CPR fire class	Eca
Resistance to flame propagation tested according to UN/ECE-R118	No

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**NYM**

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm <sup>2</sup> )	Min. outer diameter	Max. outer diameter	Copper index
16000003	NYM-J 3G1,5	3	Yes	1.5 mm <sup>2</sup>	0.323 in	0.39 in	288.9 lb/10000 ft
16000013	NYM-J 4G1,5	4	Yes	1.5 mm <sup>2</sup>	0.346 in	0.421 in	389.7 lb/10000 ft
16000023	NYM-J 5G1,5	5	Yes	1.5 mm <sup>2</sup>	0.374 in	0.453 in	483.8 lb/10000 ft
16000003	NYM-J 7G1,5	7	Yes	1.5 mm <sup>2</sup>	0.413 in	0.496 in	678.6 lb/10000 ft
16000053	NYM-J 4G2,5	4	Yes	2.5 mm <sup>2</sup>	0.402 in	0.484 in	645 lb/10000 ft
16000063	NYM-J 5G2,5	5	Yes	2.5 mm <sup>2</sup>	0.433 in	0.524 in	806.3 lb/10000 ft
16000008	NYM-J 1G2,5	1	Yes	2.5 mm <sup>2</sup>	0.228 in	0.276 in	161.27 lb/10000 ft
1600010	NYM-J 1G6	1	Yes	6 mm <sup>2</sup>	0.268 in	0.323 in	389.74 lb/10000 ft
1600011	NYM-J 1G10	1	Yes	10 mm <sup>2</sup>	0.315 in	0.378 in	645.09 lb/10000 ft
1600012	NYM-J 1G16	1	Yes	16 mm <sup>2</sup>	0.358 in	0.433 in	1034.84 lb/10000 ft
16000213	NYM-J 3G2,5	3	Yes	2.5 mm <sup>2</sup>	0.37 in	0.449 in	483.8 lb/10000 ft
16000323	NYM-J 4G6	4	Yes	6 mm <sup>2</sup>	0.524 in	0.634 in	1545.4 lb/10000 ft
16000513	NYM-J 5G4	5	Yes	4 mm <sup>2</sup>	0.52 in	0.63 in	1290 lb/10000 ft
16000523	NYM-J 5G6	5	Yes	6 mm <sup>2</sup>	0.571 in	0.689 in	1935.1 lb/10000 ft
16000533	NYM-J 5G10	5	Yes	10 mm <sup>2</sup>	0.697 in	0.839 in	3225.47 lb/10000 ft
16000543	NYM-J 5G16	5	Yes	16 mm <sup>2</sup>	0.835 in	1.224 in	5160.75 lb/10000 ft
16000553	NYM-J 5G25	5	Yes	25 mm <sup>2</sup>	1.118 in	1.35 in	8063.67 lb/10000 ft
1600071	NYM-J 7G2,5	7	Yes	2.5 mm <sup>2</sup>	0.496 in	0.598 in	1128.91 lb/10000 ft
16010223	NYM-J 3G4	3	Yes	4 mm <sup>2</sup>	0.425 in	0.512 in	772.77 lb/10000 ft
16010233	NYM-J 3G6	3	Yes	6 mm <sup>2</sup>	0.48 in	0.579 in	1162.51 lb/10000 ft

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