


LAPP Russia	DATA SHEET	
01.08.2018	LAPP KABEL® X05VV-F	



Application

LAPP KABEL® X05VV-F cables are flexible cables for various applications manufactured in Russia and produced according to harmonized standards HAR CENELEC, the VDE standards, and the GOST standards of the Russian Federation.

- For fixed installation, and also for installation with a restricted mobility;
- The type of the climatic modification - N categories Y 1, 1.1, 2, 2.1, 3, 3.1 according to GOST 15150. For outdoor use and in the dry or wet premises, including without regulated climatic conditions, under normal mechanical loads;
- For power supply of the control and measurement devices, for the connection of the electrical devices and household electrical instruments, for manufacturing of the extension cords;
- For household and industrial installation of the mains installation upon compliance with the installation requirements (use of the junction terminals with connection testing or soldering);
- For installation and manufacturing of the industrial electrical equipment, machines, facilities, plants, production lines; • Electric plants, lighting network.
- Resistant against mineral oils, diesel and UV.

Design

Design	based on EN 50525-2-11, EN 50525-2-51/VDE 0285-525-2-1, GOST 31947
Conductor	fine wire strands of bare copper acc. to IEC 60228, Class 5, VDE 0295, GOST 22483
Core insulation	PVC compound meets the requirement for TI2 in acc. to EN 50363-3, VDE 0207-363-3, GOST 5960
Core identification code	color coded acc. to VDE 0293-1, GOST 31947, with a green-yellow ground conductor
Outer sheath	PVC compound meets the requirement for TM2 in acc. to EN 50363-4-1/VDE 0207-363-4-1, GOST 5960. Sheath color: grey, RAL 7000/1.

Electrical properties

Nominal voltage	U0/U 300 / 500 V
Test voltage	4000 V
Specific insulation resistance	> 20 GΩm x sm

Mechanical and thermal properties

Min. bending radius	occasional flexing: 10 x cable diameter fixed installation: 4 x cable diameter
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Tensile forces to the cable shall be max. 50 N per 1 mm²

Temperature range	occasional flexing: -20 °C up to +70 °C max. conductor temp. fixed installation: -60 °C up to +80 °C max. conductor temp.
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Maximum short-term (less than 5 seconds) temperature during the short circuit +150 °C.

The cable shall be resistant to the exposure of the high relative air humidity up to 98% at the outside temperature up to 35°C

Flammability	retardant in acc. to GOST 31655, 01.8.2.5.4
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