



FIRE RETARDANT FOR CABLES

■ INVAMAT 678 FIRE RETARDANT FOR CABLES



INVAMAT 678 THERMAL EXPANDING FIRE RETARDANT FOR CABLES Serial production according to TU-20.30.11.120-002-37166468-2017, compliance with GOST R 53311-2009, the product is a suspension of pigments, fillers, flame-retarding and technological additives in an aqueous dispersion of a synthetic polymer.

The retardant is designed to reduce the flammability of electrical cable lines of various types: power, control, communication, etc., having outer shells of rubber, PVC, or polyethylene. It can be used in industrial, civil and housing construction, tunnels, sewers, and also in rolling stock. Suitable for all kinds of cables. Suitable for all kinds of cables. The coating for fire protection of the INVAMAT 678 cable under the action of a flame or heat rapidly increases in volume forming a heat-insulating foam.

INVAMAT 678 has a high adhesion to the materials of the cable sheaths and does not have an aggressive effect on them. Fireproof coatings have good thermal conductivity, therefore, do not require a reduction in the current load.

Application of INVAMAT 678 fire retardant coating on the cable both prevents ignition, and also reduces the spread of combustion, the release of toxic and corrosive-active substances.

An important feature of INVAMAT 678 is that after application to the cables and complete drying, the retardant remains elastic, allowing different operations with cables (transportation, laying, temporary laying, etc.) without loss of fire retardant properties.

INVAMAT 678 applied to the cable with a standard flow rate of 1.05 kg/m² (without losses) and with a dry coating thickness of 0.7 mm prevents the spread of combustion in accordance with requirements of GOST 12176 for category «A» and requirements GOST R 53311-2009.

SPECIFICATIONS OF INVAMAT 678 FLAME RETARDANT FOR CABLES:

Density, g/cm ³	appr. 1,3 ± 0,05
Appearance	Homogenous mass. White
Appearance of dried surface	Rough matt surface. Tint is not rated. Separate inclusions are allowed.
Application temperature, °C	From +5 to + 40
Drying time	1 mm / 24 hours
Activation time, °C	+ 140
Swelling multiplicity	50-75
Conditional viscosity acc. to B3-246 with nozzle diameter of 6 mm at 20,0 ±20C, (GOST 8420-74), c	20-80
Operating temperature	From – 60°C to + 80°C
Mass fraction of non-volatile substances %:	60
Adhesion to treated surface, points, not less than	2,0