




CABLE FOR FIRE-ALARM SYSTEMS

 **ODESKABEL**

W Nx0.22

<p>Application</p> <p>Cables are used in the following systems: - security and fire alarm systems; Product specifications directly affect the effectiveness of the system. The use of non-quality cable leads to a high rate of false alarms.</p> <p>Defining parameters of cables for fire alarm systems are: - lead resistance; - working capacity. Cables are burning at a single laying.</p>	
<p>Construction</p> <p>Wires with stranded copper conductors 0.22 mm² insulated polyethylene low flammability, in a general screen of Al/Pet tape or unshielded cables in the brand with the letter "M". In the shell of PVC low fire. Cables are made commercially without protective conductor, ordering cable can be manufactured with protective conductor.</p>	


Parameters

Rated voltage,	300	Operating temperature range, °	-20+60
Testing voltage,	2000	Min. bend radius (install)	8 D
Insulation resistance, MOhm/km	>5000		
DC resistance (20 °C) , Ohm/km			
0,22 mm ²	90		
0,50 mm ²	36,7		
0,75 mm ²	24,8		
Conductor Construction (Multiwire)			
0,22 mm ²	7 0,20		
0,50 mm ²	7 0,30		
0,75 mm ²	7 0,37		

Nomenclature

Mark	Ø , mm	Mark	Ø , mm
W 2x0.22	3,5	W 2x0.22	3,4
W 4x0.22	4,1	W 4x0.22	4,0
W 6x0.22	4,9	W 6x0.22	4,8
W 8x0.22	5,3	W 8x0.22	5,3
W 10x0.22	5,8	W 10x0.22	5,8
W 12x0.22	6,4	W 12x0.22	6,4
W 20x0,22	15,2	W 20x0,22 M	15,0

Alarm cable Nx0.22

<p>Application</p> <p>Cables are used in the following systems:</p> <ul style="list-style-type: none"> - security and fire alarm systems; - access control systems, control and communication. <p>Product specifications directly affect the effectiveness of the system. The use of non-quality cable leads to a high rate of false alarms.</p> <p>Defining parameters of cables for fire alarm systems are:</p> <ul style="list-style-type: none"> - lead resistance; - working capacity. <p>Cables are burning at a single laying.</p>	
<p>Construction</p> <p>Pair with stranded copper conductors 0.22 mm² insulated PVC low flammability, in a general screen of Al/Pet tape or unshielded cables in the brand with the letter "M". In the shell of PVC low fire. Cables are made commercially without protective conductor, ordering cable can be manufactured with protective conductor.</p>	

Parameters

Rated voltage,	350	Operating temperature range, °	-30+70
Testing voltage,	2000	Min. bend radius (install)	12 D
Insulation resistance, MOhm/km	>150		
DC resistance (20 °C), Ohm/km			
0,22 mm ²	90		
0,50 mm ²	36,7		
0,75 mm ²	24,8		
Conductor Construction (Multiwire)			
0,22 mm ²	7 0,20		
0,50 mm ²	7 0,30		
0,75 mm ²	7 0,37		
Capacity, nF/km	130		

Nomenclature

Mark	Ø, mm	Mark	Ø, mm
Alarm cable 2x0.22	3,6	Alarm cable 2x0.22	3,5
Alarm cable 4x0.22	4,2	Alarm cable 4x0.22	4,1
Alarm cable 6x0.22	5,0	Alarm cable 6x0.22	4,9
Alarm cable 8x0.22	5,5	Alarm cable 8x0.22	5,4
Alarm cable 10x0.22	6,0	Alarm cable 10x0.22	5,9
Alarm cable 12x0.22	6,6	Alarm cable 12x0.22	6,5
Alarm cable 2x0.22+2x0.50	5,5	Alarm cable 2x0.22+2x0.50	5,4
Alarm cable 4x0.22+2x0.50	6,0	Alarm cable 4x0.22+2x0.50	5,9
Alarm cable 6x0.22+2x0.50	6,5	Alarm cable 6x0.22+2x0.50	6,4
Alarm cable 8x0.22+2x0.50	7,0	Alarm cable 8x0.22+2x0.50	6,9
Alarm cable 10x0.22+2x0.50	7,6	Alarm cable 10x0.22+2x0.50	7,5
Alarm cable 12x0.22+2x0.50	8,0	Alarm cable 12x0.22+2x0.50	7,9
Alarm cable 2x0.22+2x0.50	6,0	Alarm cable 2x0.22+2x0.50	5,9
Alarm cable 4x0.22+2x0.50	6,7	Alarm cable 4x0.22+2x0.50	6,6
Alarm cable 6x0.22+2x0.50	7,1	Alarm cable 6x0.22+2x0.50	7,0
Alarm cable 8x0.22+2x0.50	7,3	Alarm cable 8x0.22+2x0.50	7,2
Alarm cable 10x0.22+2x0.50	8,1	Alarm cable 10x0.22+2x0.50	8,0
Alarm cable 12x0.22+2x0.50	8,5	Alarm cable 12x0.22+2x0.50	8,4

J-Y(ST)Y Nx2xS

Application

For installation of the systems of the fire warning, and also for control system and access control. The cables of this type with the electrostatic screening protect the chains of communication of data from external radio interferences, created an electrical equipment. Used, mainly for realization of telecommunication connections into apartments, both in dry and in moist places, and also outdoors at the use of cables in the special shells. These cables are suitable for the use on telephone exchanges and switchboards for the transmission of signals and information. A cable is not diffused by burning at a single gasket.

Construction

Pair with one wire (multiwire) copper explorers by a section from 0,35 mm² to 3,3 mm² with an isolation from the PVC plasticate of the lowered combustibility, in a general screen from an Al/Pet ribbon with the tendon of grounding. In a shell from the PVC plasticate of lowered fire safety of red color.



Parameters

AWG/ Section, mm ²	22/0,35	20/0,51	18/0,81	16/1,31	14/2,1	12/3,3
DC resistance (conductor), Ohm/km	130	70	65	41	25	16
DC resistance insulation of conductors, MOhm/km	100	100	100	100	100	100
Capacity, no more (without a screen / screen in), nF/km	48/55	49/58	56/61	62/66	69/75	75/89
Attenuation (1 MHz), no more, dB/km	1,8	1,2	0,95	0,7	0,5	0,4
operating voltage, no more, V	300	300	300	300	300	300
Construction of wire onewire/multiwire	+/+	+/+	+/+	+/+	+/+	+/+
Number of pairs	1,2,3,4	1,2,3,4	1,2,3,4	1,2	1,2	1,2
Diameter sheath/cable weight, mm/kg						
J-Y(ST)Y 1 2 0,6	5,0/30					
J-Y(ST)Y 2 2 0,6	5,5/40					
J-Y(ST)Y 3 2 0,6	6,3/50					
J-Y(ST)Y 4 2 0,6	6,8/60					
J-Y(ST)Y 1 2 0,8		6,0/40				
J-Y(ST)Y 2 2 0,8		7,0/60				
J-Y(ST)Y 3 2 0,8		8,5/80				
J-Y(ST)Y 4 2 0,8		9,0/100				
J-Y(ST)Y 1 2 1,0			7,87/74			
J-Y(ST)Y 2 2 1,0			8,89/115			
J-Y(ST)Y 3 2 1,0			10,67/165			
J-Y(ST)Y 4 2 1,0			11,43/205			
J-Y(ST)Y 1 2 1,3				8,38/91		
J-Y(ST)Y 2 2 1,3				9,65/145		
J-Y(ST)Y 1 2 1,63					9,24/133	
J-Y(ST)Y 2 2 1,63					11,10/216	
J-Y(ST)Y 1 2 2,05						10,67/188
J-Y(ST)Y 2 2 2,05						12,19/300
Packing, m	1000	1000	305	305	305	305