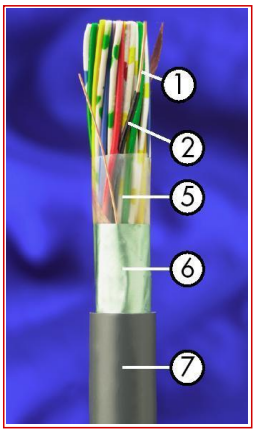
Contact
Productline Building
Phone: +31 10 248 34 44
verkoop@nexans.com

JY(st)Y-mb grey

JY(ST)Y-mb 1X2X0.8 MM (B500)

Nexans ref.: 10009955

Description



Application

JY(st)Y-mb Signal cable for measurement, regulation and control applications in low voltage installations. The metallised foil protects against interference with external electrical fields.

Description

1. Solid plain copper conductor 0.8 mm
2. PVC conductor insulation
3. Conductors bunched into pairs (except for 2p = 1quad)
4. Pairs laid up in concentric layers
5. Plastic separating foil over cable core
6. Metallised foil over drain wire
7. Fire retardant grey PVC outer sheath (IEC 60332-1)

Marking

NEXANS AFG. SIGNAALKABEL JY(st)Y mb nx2xs mm OF****

n = no. of pairs, s = diameter in mm, OF = traceability code

Core Identification

according NEN 1597 (see technical data, table B)

Standards

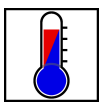
International IEC 60332-1

National DIN VDE 0207

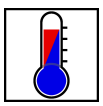
Conductor flexibility
Solid

Mechanical resistance to impacts
Normal domestic use

Bending factor when laying
10 (xD)



Ambient installation T°C range
-5 .. 50 °C



Operating temp. range
-30 .. 70 °C

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Characteristics

Construction characteristics	
Conductor material	Plain copper
Conductor flexibility	Solid
Insulation	PVC
Screen	Aluminium-PET with drain wire
Outer sheath	Fire-retardant PVC
Sheath colour	Grey
Dimensional characteristics	
Nominal outer diameter	5.9 mm
Approximate weight	38 kg/km
Conductor diameter	0.8 mm
Number of pairs	1
Electrical characteristics	
Maximal capacity at 800Hz	100 nF/km
Capacitance unbalance pair to pair	3000 pF/km
Capacitance unbalance pair to ground	3000 pF/km
Ohmical resistance of the insulation	100 MOhm.km
Breakdown voltage	0.8 kV
Maximum operating voltage	300 V
Mechanical characteristics	
Mechanical resistance to impacts	Normal domestic use
Usage characteristics	
Field of application	Indoor
Bending factor when laying	10 (xD)
Ambient installation temperature, range	-5 .. 50 °C
Operating temperature, range	-30 .. 70 °C
Resistance to vibrations	No

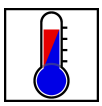
Table B colour code NEN 1597 (paired)

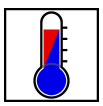
pair no.	A	B	pair no.	A	B	pair no.	A	B
1	white	red	13	white-blue	yellow	25	white-green	black
2*	white	blue	14	white-blue	green	26	white-black	red
3	white	yellow	15	white-blue	black	27	white-black	blue
4	white	green	16	white-yellow	red	28	white-black	yellow
5	white	black	17	white-yellow	blue	29	white-black	green


Conductor flexibility
Solid


Mechanical resistance to impacts
Normal domestic use


Bending factor when laying
10 (xD)


Ambient installation T°C range
-5 .. 50 °C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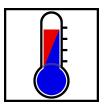
6	white-red	red	18	white-yellow	yellow	30	white-black	black
7	white-red	blue	19	white-yellow	green			
8	white-red	yellow	20	white-yellow	black			
9	white-red	green	21	white-green	red			
10	white-red	black	22	white-green	blue			
11	white-blue	red	23	white-green	yellow			
12	white-blue	blue	24	white-green	green			

Counting of the pairs starts in the centre of the cable. In case a cable contains more than 30 pairs,coding of pair 31 starts as of pair 1, etc. Only the last cycle may be incomplete.* = In case of a star-quad: red, blue, yellow, green

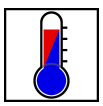
Conductor flexibility
Solid

Mechanical resistance to impacts
Normal domestic use

Bending factor when laying
10 (xD)



Ambient installation T°C range
-5 .. 50 °C



Operating temp. range
-30 .. 70 °C