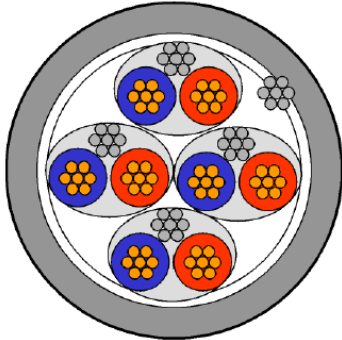


JAMAK[®]

Symmetrical data cable for industrial control equipment



Application

These symmetrical data transmission cables are used in control and supervision centre for industrial sites. They are suitable for fixed installation inside housings.

Flame Resistance

Oxygen Index LOI acc. to ASTM-D-2863
Smoke emission acc. to ASTM-D-2843
IEC 60332-1

no limit
90 %

Construction

Conductor	Tinned stranded copper 7x 0.29 mm
Insulation	PE (2Y)
Conductor identification	a-conductor blue; b-conductor red
Stranding	2 conductors to pair
Stranding to core	(0+4)
Pair shielding	Laminated AL-foil + copper drain wire 0.5 mm ²
Overall shielding	2pairs- 48pairs: Laminated AL-foil + copper drain wire 0.5 mm ² , 1pair: without overall shielding
Outer sheath	PVC (Y), grey

JAMAK®
Mechanical Properties

Operating temperature	- 30 °C to + 70 °C
Min. Installation temperature	- 5 °C

Electrical Properties
at 20°C

Loop resistance	81 Ω/km
Insulation resistance (at 500 V, 1 min.)	2 GΩ*km
Capacitance at 800 Hz	85 nF/km
Max. operating voltage	75 V
Relative velocity factor NVP	0.66
Impedance (at 10 MHz)	70 Ω +/- 10 %
Frequency	attenuation
[kHz]	[dB/100 m]
9.6	0.3
19.2	0.5
64	0.7
100	0.9
200	1.6
1000	4.5

Technical Data

Part no. SAP	Type	Dimension	Outer diameter mm	Standard length m	weight kg/km	Copper content
1004685	JAMAK	1x(2+1)x0.5	7.2	1000	60	13.55
1006411-	JAMAK	2x(2+1)x0.5	8.0	1000	65	33
1005579-	JAMAK	2x(2+1)x0.5	8.0	200	65	33
1005540-	JAMAK	4x(2+1)x0.5	8.7	1000	102	61
1005578-	JAMAK	4x(2+1)x0.5	8.7	200	102	61
1005533-	JAMAK	8x(2+1)x0.5	13.4	1000	193	116
1005525-	JAMAK	8x(2+1)x0.5	13.4	500	193	116
1005534-	JAMAK	12x(2+1)x0.5	15.0	1000	268	172
1005524-	JAMAK	24x(2+1)x0.5	20.7	500	519	339
1005541-	JAMAK	24x(2+1)x0.5	20.7	1000	519	339
1005535-	JAMAK	48x(2+1)x0.5	28.0	500	988	672

JAMAK[®]**Product Code Table**

Product Description	Product Code	PG Reference Code	PG Part Number
JAMAK 4x(2+1)x0.5 200m 200DX	1005578-00200DX	60016479	60016759
JAMAK 2x(2+1)x0.5 200m 200DX	1005579-00200DX	60016478	60016760

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