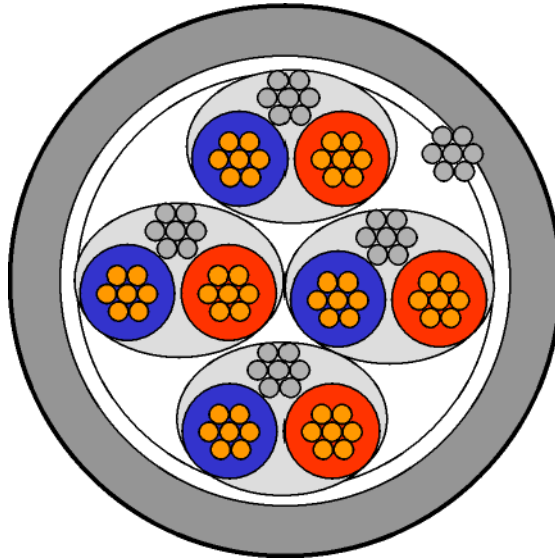




## JAMAK<sup>®</sup>

### 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  
HCL emission acc. to IEC 754-1  
IEC 60332-1

no limit  
90 %  
> 25 %

#### Construction

Conductor	Tinned stranded copper wire, 0.5 mm <sup>2</sup> (7x 0.3 mm Ø)
Insulation	PE, 1.5 mm Ø
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 <sup>2</sup>
Overall shielding	Laminated AL-foil + copper drain wire 0.5 mm <sup>2</sup>
Outer sheath	PVC, grey

#### Mechanical Properties

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



## JAMAK<sup>®</sup>

### 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
1006411-01000DX	JAMAK	2x(2+1)x0.5	8.0	1000	65	33
1005579-00200DX	JAMAK	2x(2+1)x0.5	8.0	200	65	33
1005540-01000DX	JAMAK	4x(2+1)x0.5	8.7	1000	102	61
1005578-00200DX	JAMAK	4x(2+1)x0.5	8.7	200	102	61
1005533-01000DX	JAMAK	8x(2+1)x0.5	13.4	1000	193	116
1005525-00500DX	JAMAK	8x(2+1)x0.5	13.4	500	193	116
1005534-01000DX	JAMAK	12x(2+1)x0.5	15.0	1000	268	172
1005524-00500DX	JAMAK	24x(2+1)x0.5	20.7	500	519	339
1005541-01000DX	JAMAK	24x(2+1)x0.5	20.7	1000	519	339
1005535-00500DX	JAMAK	48x(2+1)x0.5	28.0	500	988	672