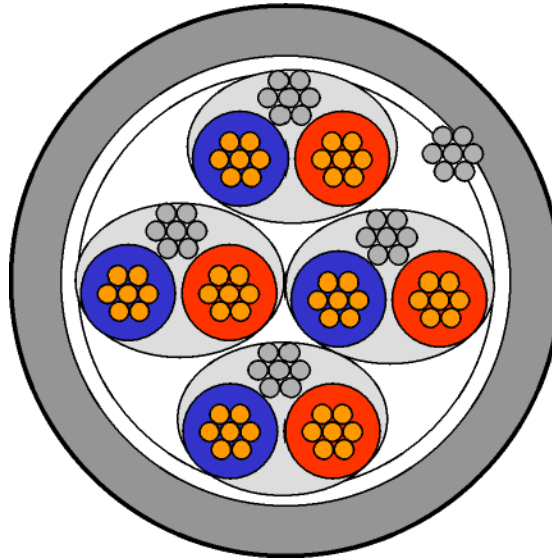




JAMAK[®]

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

Mechanical Properties

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



JAMAK[®]

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
1006411-01000DX	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