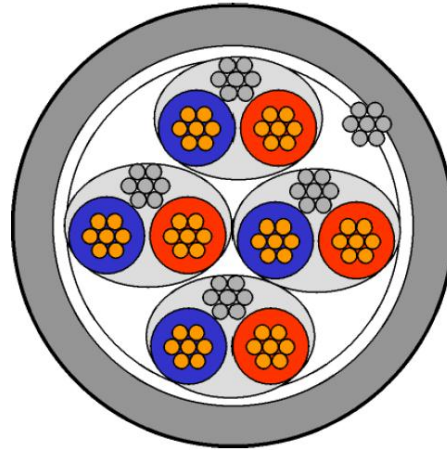


JAMAK[®] -HF

Symmetrical Data Cable for industrial Control Equipment



Application

These symmetrical data transmission cables are used in control and supervision center 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 60332-3C

> 30 %
 10 - 20 %

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	Laminated AL-foil + copper drain wire 0.5 mm ²
Outer sheath	LSZH (H), grey

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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.	Type	Dimension	Outer diameter mm	Standard length m	weight kg/km	Copper content
Not yet defined	JAMAK-HF	2x(2+1)x0.5	8.0±0.5	1000	70	35
Not yet defined	JAMAK-HF	4x(2+1)x0.5	9.5±0.5	1000	110	65
Not yet defined	JAMAK-HF	8x(2+1)x0.5	13.0±0.5	1000	200	125
Not yet defined	JAMAK-HF	12x(2+1)x0.5	15.0±0.8	1000	280	185
Not yet defined	JAMAK-HF	24x(2+1)x0.5	21.0±1.0	1000	530	365
Not yet defined	JAMAK-HF	48x(2+1)x0.5	29.0±1.5	500	1000	725

[PRODUCT CODE TABLE]

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