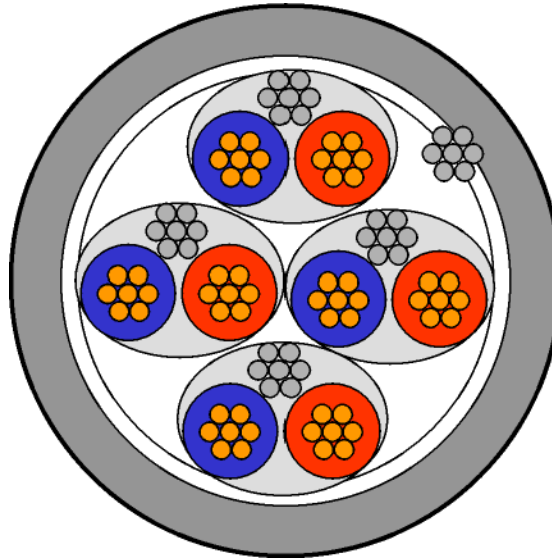




JAMAK[®] -HF

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 RAL 7035

Mechanical properties

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



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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 ca. kg/km	Copper content kg/km
Not yet defined	JAMAK-HF	2x(2+1)x0.5	8.0±0.5	1000	75	33
Not yet defined	JAMAK-HF	4x(2+1)x0.5	9.5±0.5	1000	115	61
Not yet defined	JAMAK-HF	8x(2+1)x0.5	13.0±0.5	1000	215	116
Not yet defined	JAMAK-HF	12x(2+1)x0.5	15.0±0.8	1000	300	172
Not yet defined	JAMAK-HF	24x(2+1)x0.5	21.0±1.0	1000	550	339
Not yet defined	JAMAK-HF	48x(2+1)x0.5	29.0±1.5	500	1075	672