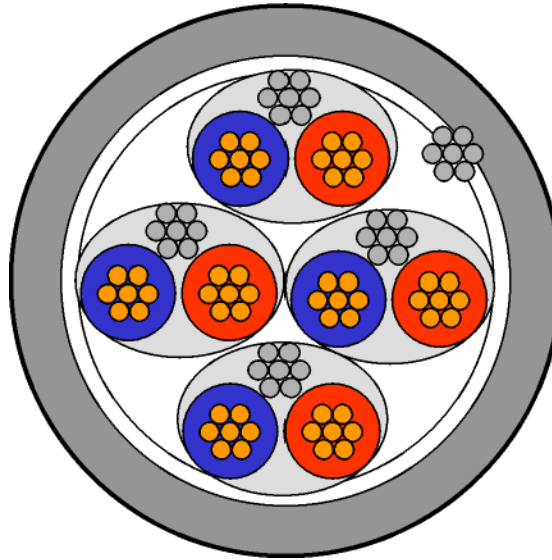




## JAMAK-HF

### 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	> 30 %
Smoke emission acc. to ASTM-D-2843	10 - 20 %
HCL Emission acc. to IEC 754-1	0,5 %
IEC 60332-3C	

#### Construction

Conductor	Copper wire, bare 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	LSZH, grey

#### Mechanical properties

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



## JAMAK-HF

### 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
CD7590007	JAMAK-HF	2x(2+1)x0.5	8.0±0.5	1000	70	35
CD7590008	JAMAK-HF	4x(2+1)x0.5	9.5±0.5	1000	110	65
CD75900xx	JAMAK-HF	8x(2+1)x0.5	13.0±0.5	1000	200	125
CD75900xx	JAMAK-HF	12x(2+1)x0.5	15.0±0.8	1000	280	185
CD75900xx	JAMAK-HF	24x(2+1)x0.5	21.0±1.0	1000	530	365
CD75900xx	JAMAK-HF	48x(2+1)x0.5	29.0±1.5	500	1000	725