

JAMAK[®] -HF

Symmetrical Data Cable for Industrial Control Equipment

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
Outer Diameter	Nom. 7.5(2pair) - 30.5(48pair) mm
Weight	Nom. 70(2pair) - 1500(48pair) kg/km

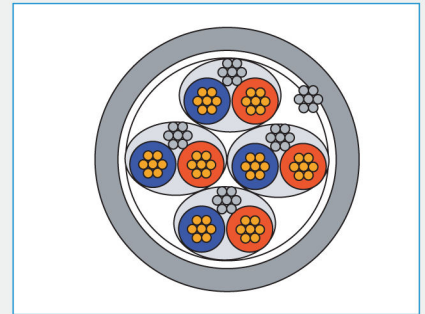
Mechanical Properties

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 [kHz]	Attenuation [dB/100 m]
9.6	0.3
19.2	0.5
64	0.7
100	0.9
200	1.6
1000	4.5



Application

These symmetrical data transmission cables are used in control and supervision center for industrial sites. They are suitable for fixed installation inside housings.

Fire Rating

- IEC 60332-1; IEC 60754-2; IEC 61034

Ordering Information

P/N	Product Description	P.U
JAMAK -HF	2x(2+1)x0.5, Symmetrical Data Cable for Industrial Control Equipment, JAMAK [®] -HF	1000m/drum
JAMAK -HF	4x(2+1)x0.5, Symmetrical Data Cable for Industrial Control Equipment, JAMAK [®] -HF	1000m/drum
JAMAK -HF	8x(2+1)x0.5, Symmetrical Data Cable for Industrial Control Equipment, JAMAK [®] -HF	1000m/drum
JAMAK -HF	12x(2+1)x0.5, Symmetrical Data Cable for Industrial Control Equipment, JAMAK [®] -HF	1000m/drum
JAMAK -HF	24x(2+1)x0.5, Symmetrical Data Cable for Industrial Control Equipment, JAMAK [®] -HF	1000m/drum
JAMAK -HF	48x(2+1)x0.5, Symmetrical Data Cable for Industrial Control Equipment, JAMAK [®] -HF	500m/drum