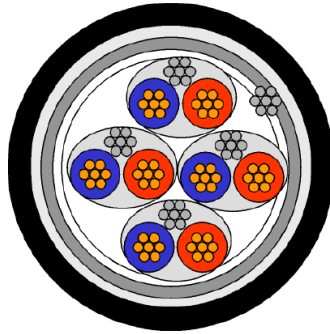


JAMAK[®]-ARM

Symmetrical Data Cable for industrial Control Equipment



Application

These symmetrical data transmission cables are used in control and supervision center for industrial sites. The cables with armouring and PE outer sheath are suitable for direct buried installation.

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	Stranded tinned 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
Inner sheath	PVC (Y), grey
Armouring	Steel tape, helically wounded
Outer sheath	PE (2Y), black

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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
1005536- 0100000Y	JAMAK-ARM	4x(2+1)x0.5	13.5±0.5	1000	250	65
1005537- 0100000Y	JAMAK-ARM	8x(2+1)x0.5	17.0±0.5	1000	390	125
1005538-	JAMAK-ARM	12x(2+1)x0.5	19.0±0.8	1000	500	185
1005539-	JAMAK-ARM	24x(2+1)x0.5	25.0±1.0	1000	850	365
1006412-	JAMAK-ARM	48x(2+1)x0.5	33.0±1.5	500	1500	725

[PRODUCT CODE TABLE]

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