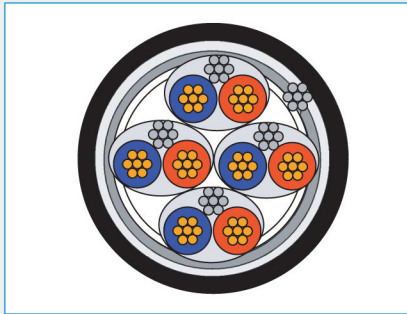


# JAMAK<sup>®</sup>-ARM

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.

## Fire Rating

- Oxygen Index LOI acc. to ASTM-D-2863: no limit
- IEC 60332-1

## Water Penetration Rating

MIL-C-24640A

## Construction

<b>Conductor</b>	Stranded tinned copper 7x 0.29 mm
<b>Insulation</b>	PE (2Y)
<b>Conductor identification</b>	a-conductor blue; b-conductor red
<b>Stranding</b>	2 conductors to pair
<b>Stranding to core</b>	(0+4)
<b>Pair shielding</b>	Laminated AL-foil + copper drain wire 0.5 mm2
<b>Overall shielding</b>	Laminated AL-foil + copper drain wire 0.5 mm2
<b>Inner sheath</b>	PVC (Y), grey
<b>Armouring</b>	Steel tape, helically wounded
<b>Outer sheath</b>	PE (2Y), black
<b>Outer Diameter</b>	Nom. 13(4pair) - 34.5(48pair) mm
<b>Weight</b>	Nom. 250 (4pair) - 1500(48pair) kg/km

## Mechanical Properties

<b>Operating temperature</b>	- 30°C to + 70°C
<b>Min. Installation temperature</b>	- 5°C

## Electrical Properties at 20°C

<b>Loop resistance</b>	81 Ω/km
<b>Insulation resistance (at 500 V, 1 min.)</b>	2 GΩ*km
<b>Capacitance at 800 Hz</b>	85 nF/km
<b>Max. operating voltage</b>	75 V
<b>Relative velocity factor NVP</b>	0.66
<b>Impedance (at 10 MHz)</b>	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

## Ordering Information

P/N	Product Description	P.U
1005536-01000DX	4x(2+1)x0.5, Symmetrical Data Cable for Industrial Control Equipment, JAMAK <sup>®</sup> -ARM	1000m/drum
1005537-01000DX	8x(2+1)x0.5, Symmetrical Data Cable for Industrial Control Equipment, JAMAK <sup>®</sup> -ARM	1000m/drum
1005538-01000DX	12x(2+1)x0.5, Symmetrical Data Cable for Industrial Control Equipment, JAMAK <sup>®</sup> -ARM	1000m/drum
1005539-01000DX	24x(2+1)x0.5, Symmetrical Data Cable for Industrial Control Equipment, JAMAK <sup>®</sup> -ARM	1000m/drum
1005539-01000DX	48x(2+1)x0.5, Symmetrical Data Cable for Industrial Control Equipment, JAMAK <sup>®</sup> -ARM	1000m/drum