

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	2pairs- 48pairs: Laminated AL-foil + copper drain wire 0.5 mm ² , 1pair: without overall shielding
Outer sheath	PVC (Y), grey
Outer Diameter	Nom. 7.2(2pair) - 28.0(48pair) mm
Weight	Nom. 60(2pair) - 980(48pair) kg/km

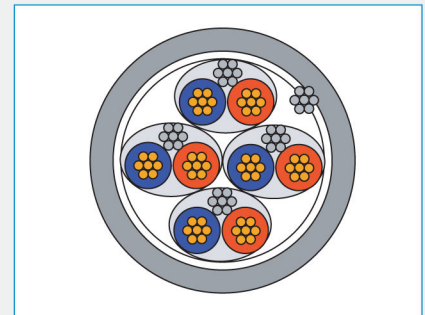
Mechanical Properties

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 centre for industrial sites. They are suitable for fixed installation inside housings.

Fire Rating

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

Ordering Information

P/N	Product Description	P.U
1004685	1x(2+1)x0.5, Symmetrical data cable for industrial control equipment, JAMAK®	1000m/drum
1006411-01000DX	2x(2+1)x0.5, Symmetrical data cable for industrial control equipment, JAMAK®	1000m/drum
1005579-00200DX	2x(2+1)x0.5, Symmetrical data cable for industrial control equipment, JAMAK®	200m/drum
1005540-01000DX	4x(2+1)x0.5, Symmetrical data cable for industrial control equipment, JAMAK®	1000m/drum
1005578-00200DX	4x(2+1)x0.5, Symmetrical data cable for industrial control equipment, JAMAK®	200m/drum
1005533-01000DX	8x(2+1)x0.5, Symmetrical data cable for industrial control equipment, JAMAK®	1000m/drum
1005525-00500DX	8x(2+1)x0.5, Symmetrical data cable for industrial control equipment, JAMAK®	500m/drum
1005534-01000DX	12x(2+1)x0.5, Symmetrical data cable for industrial control equipment, JAMAK®	1000m/drum
1005524-00500DX	24x(2+1)x0.5, Symmetrical data cable for industrial control equipment, JAMAK®	500m/drum
1005541-01000DX	24x(2+1)x0.5, Symmetrical data cable for industrial control equipment, JAMAK®	1000m/drum
1005535-00500DX	48x(2+1)x0.5, Symmetrical data cable for industrial control equipment, JAMAK®	500m/drum