

NOMAK[®]

Symmetrical data cable for industrial control equipment

Construction

Conductor	Stranded tinned copper 7x0,29 mm
Insulation	PVC (Y)
Conductor identification	a-conductor orange; b-conductor white (with number printing)
Stranding	2 conductors to pair
Stranding to core	(0+4)
Overall shielding	Laminated AL-foil + tinned copper drain wire 0.5 mm2
Outer sheath	PVC (Y), grey (RAL 7035)
Outer Diameter	Nom. 6.7(2pair) - 23.5(48pair) mm
Weight	Nom. 52(2pair) - 745(48pair) kg/km

Mechanical Properties

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

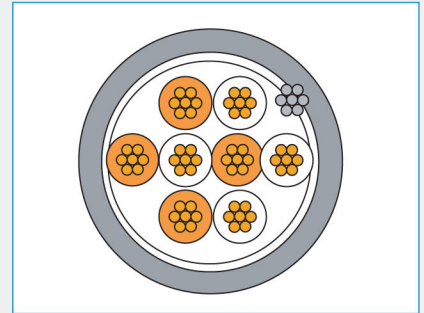
Electrical Properties at 20°C

Loop resistance	81 Ω/km
Insulation resistance (at 500 V, 1 min.)	100 MΩ*km
Capacitance at 800 Hz	85 nF/km
for 2 and 4 pairs	90 nF/km
Max. operating voltage	75 V
Relative velocity factor NVP	0.60
Impedance (at 10 MHz)	100 Ω +/- 10 %

Frequency [kHz]	Attenuation [dB/100 m]
9.6	0.3
19.2	0.5
64	0.7
100	0.9
200	1.5
1000	2.9

Ordering Information

P/N	Product Description	P.U
1003555-01000D0	2x2x0.5, Symmetrical data cable for industrial control equipment, NOMAK [®]	1000m/drum
1003555-00200DW	2x2x0.5, Symmetrical data cable for industrial control equipment, NOMAK [®]	200m/drum
1003575-01000D0	4x2x0.5, Symmetrical data cable for industrial control equipment, NOMAK [®]	1000m/drum
1003575-00200DW	4x2x0.5, Symmetrical data cable for industrial control equipment, NOMAK [®]	200m/drum
1005542-01000DX	8x2x0.5, Symmetrical data cable for industrial control equipment, NOMAK [®]	1000m/drum
1005543-01000DX	12x2x0.5, Symmetrical data cable for industrial control equipment, NOMAK [®]	1000m/drum
1005544-01000DX	24x2x0.5, Symmetrical data cable for industrial control equipment, NOMAK [®]	1000m/drum
1005545-01000DX	48x2x0.5, Symmetrical data cable for industrial control equipment, NOMAK [®]	1000m/drum



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