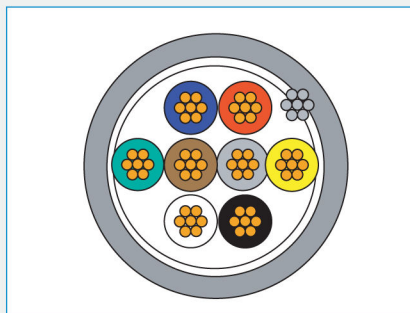


NOMAK[®]-E

Symmetrical data cable for industrial control equipment



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

Construction

Conductor	Stranded tinned copper 7x0,29 mm	
Insulation	PVC (Y)	
Conductor identification	a-conductor	b-conductor
Pair 1	Blue	Red
Pair 2	Grey	Yellow
Pair 3	Green	Brown
Pair 4	White	Black
Stranding	2 conductors to pair	
Stranding to core	(0+4) each 4-pair bundle with numbered	
Overall shielding	Laminated AL-foil + tinned copper drain wire 0.5 mm ²	
Outer sheath	PVC (Y), grey (RAL 7035)	
Outer Diameter	Nom. 7.0(2pair) - 23.5(48pair) mm	
Weight	Nom. 55(2pair) - 747(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
1003576	2x2x0.5, Symmetrical data cable for industrial control equipment, NOMAK [®] -E	1000m/drum
1003577	4x2x0.5, Symmetrical data cable for industrial control equipment, NOMAK [®] -E	200m/drum
1005546-01000DX	8x2x0.5, Symmetrical data cable for industrial control equipment, NOMAK [®] -E	1000m/drum
1005551-01000DX	12x2x0.5, Symmetrical data cable for industrial control equipment, NOMAK [®] -E	200m/drum
1005547-01000DX	24x2x0.5, Symmetrical data cable for industrial control equipment, NOMAK [®] -E	1000m/drum
1006473-01000DX	48x2x0.5, Symmetrical data cable for industrial control equipment, NOMAK [®] -E	1000m/drum