

LonWorks® Cables

LO-NC Series

EM LO-NC/F (eco-material)

LO-NC-HP (heat-proof cable)

EM LO-NC-HP/F (eco-material, heat-proof cable)

LonWorks® is an open network technology developed by Echelon Corporation. It enables the shift from centralized to open control, reduces the wiring required for various network systems, such as building automation, and simplifies network modifications. LO-NC Series from Nihon Electric Wire & Cable is a specialized cable designed to satisfy the specific requirements of LonWorks®.



EM LO-NC/F (eco-material)

22AWG cable for LonWorks EM LO-NC/F NIHON

- EM LO-NC/F is an eco-friendly cable with a flame-retardant polyethylene jacket.

LO-NC-HP (heat-proof cable)

トウロクニンテイキカン JCT [ミンテイ] HP NIHON 05 LO-NC-HP LF

- LO-NC-HP and EM LO-NC-HP/F are heat-proof cables that can be used for LonWorks® systems.

● Applications

- Building automation
- Intelligent buildings (controls air conditioning, lighting, etc.)
- Home automation
- Semiconductor production lines
- Factory control lines

● Features

- Lightweight cable with superior noise resistance and smaller diameter conserves wiring space in buildings and other environments.
- Flexible, easy-to-handle cable.
- Flexible, easy-to-use drain wire.
- Color-coded core identification prevents wiring errors and makes wiring connection work easy.
- For LO-NC-HP and EM LO-NC-HP/F, the line is displayed right on the surface of the cable, making it easy to differentiate the products and to readily identify the cable inside a control panel or other unit after wiring.
- Optimal for signal transmission via RS485/RS422.

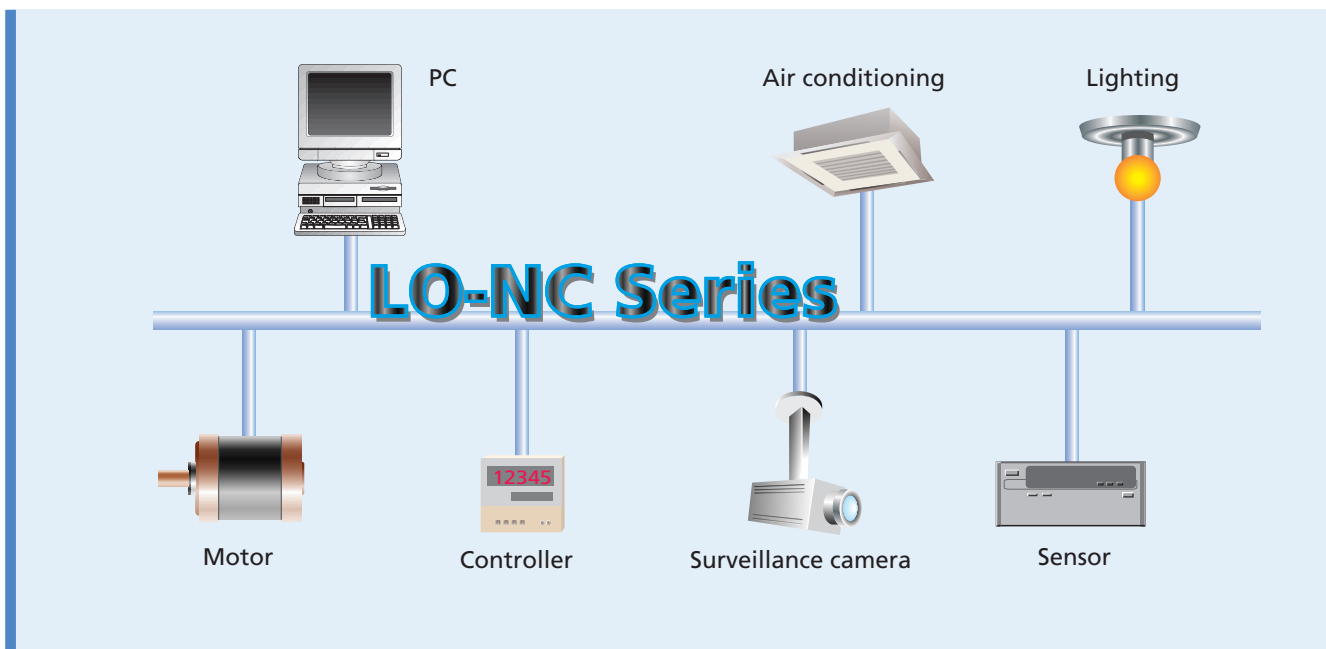
● Specifications

Product code	LO-NC		LO-NC-SB		LO-NC-HP		
	22 AWG (0.65 mm ²)	20 AWG (0.5 mm ²)	16 AWG (1.3 mm ²)	0.75 mm ² (18 AWG equivalent)	22 AWG (0.65 mm ²)	20 AWG (0.5 mm ²)	
Size							
Number of pairs	1 P 2 P	1 P	1 P	1 P	1 P 2 P	1 P	
Shielding	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Drain wire	Yes	Yes	No	No	Yes	Yes	Yes
Jacket	Gray	Gray	Black	Black	Gray	Gray	Gray
Outer diameter (mm)	Approx. 5.5 Approx. 7.5	Approx. 7.0	Approx. 10.5	Approx. 8.5	Approx. 6.5 Approx. 8.0	Approx. 7.0	Approx. 7.0
Approximate volume (kg/km)	30 50	55	120	80	45 60	55	
Standard conformity	Conforms to LonMark® Layers 1-6 Interoperability Guide						
Channel application			TP/XF-1250	TP/XF-78	TP/FT-10		

* EM: same eco-material as above.

* Gray and black are the standard jacket colors; other color types, however, can be produced (except EM).

● Example of System Configuration (T-type branch bus connection)



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* Specifications subject to change without notice due to product improvements.



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