

PROFIBUS-PA Foundation Fieldbus

PA Fieldbus is a communications network system designed for process automation for factory equipment and other industrial applications. IEC 61158 compliant, PROFIBUS-PA and Foundation Fieldbus cables for PA Fieldbus are being increasingly adopted worldwide. PANC cable from Nihon Electric Wire & Cable is a specially developed cable for communications utilizing a PA Fieldbus.

■ Features

- Double shielded with AL/PET tape and a high-coverage braided shield yields excellent noise resistance and stable transmission quality for communications.
- Can be used in intrinsically safe areas.
- Utilizes lead-free, oil- and heat-resistant vinyl compound jacket with excellent flame retardance. Standard jacket color is blue.
- Length marks imprinted on the cable make measuring easy.

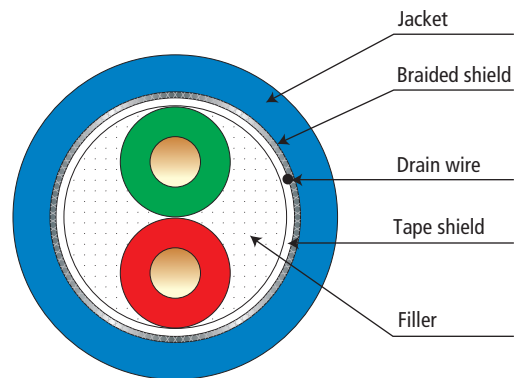


■ Specifications

1. PROFIBUS-PA

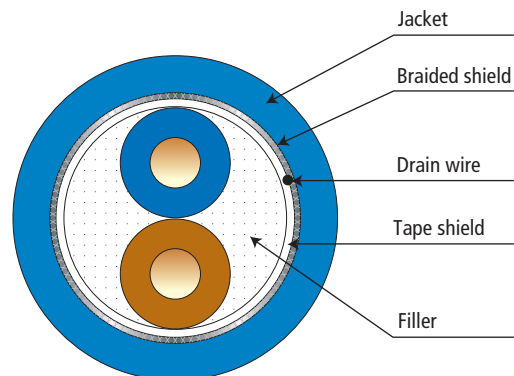
Item	Description
Model No.	PANC-P
Semiconductor size × number of pairs	0.9 mm ² × 1P
Color code of wire	Green, red
Jacket material and color	Oil- and heat-resistant PVC; blue
Outer diameter	Approx. 8.0 mm
DC conductor resistance (at 20°C)	22 Ω/km or less
Characteristic impedance (at 31.25 kHz)	100Ω-± 20%
Attenuation (at 39 kHz)	3 dB/km or less
Approximate volume	85 kg/km

■ Cross Section



2. Foundation Fieldbus

Item	Description
Model No.	PANC-F
Conductor size × number of pairs	0.9 mm ² × 1P
Color code of wire	Blue, brown
Jacket material and color	Oil- and heat-resistant PVC; blue
Outer diameter	Approx. 8.0 mm
DC conductor resistance (at 20°C)	22 Ω/km or less
Characteristic impedance (at 31.25 kHz)	100Ω-± 20%
Attenuation (at 39 kHz)	3 dB/km or less
Approximate volume	85 kg/km



* Cable complies with Fieldbus Foundation standard, Type "A" H1.