

# PFNC (22 AWG × 1 p)



PROFIBUS is an IEC 61158 standard, open field network system for factory automation. PFNC from Nihon Electric Wire & Cable is a specialized cable developed for PROFIBUS-DP network telecommunications.



## Features

- Capable of handling high-speed transmission of 12 Mbps, allowing PROFIBUS-DP to demonstrate peak performance.  
\* PFNC is also compatible with PROFIBUS-FMS.
- Double shielded with AL/PET tape and a high-coverage braided shield, PFNC exhibits excellent noise resistance and stable transmission quality for telecommunications.
- Jacket uses a lead-free, oil and heat resistant vinyl compound, with excellent flexibility. Standard color is purple (RAL4001).
- Length marks imprinted on the cable make measuring easy.

## Specifications

Item	Specification	
Model No.	PFNC	
Conductor size × number of pairs	22 AWG (0.65 mm) × 1 p	
Jacket material and color	Oil and heat resistant PVC; purple	
Outer diameter	Approx. 8.0 mm	
Conductor resistance	55 Ω/km or less	
Characteristic impedance	At 3–20 MHz	150Ω ± 10%
Attenuation (reference value)	At 4 MHz	22 dB/km
	At 16 MHz	42 dB/km
Capacitance	30 pF/m or less	
Approximate volume	70 kg/km	

## Cross Section

