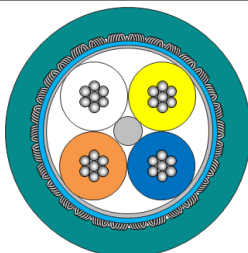


## Sumtraffic® PNM-F5 4x22AWG

TDS STMC: 4258  
Item number: 9704  
Revision: 1  
Date: 12/02/2024  
Creator: C. Fontán



EN 45545

### Application

*The drawing is only an example*

Cables for a Controller Area Network have been standardised for different application fields.

### Design

#### Single cores

Conductor: Flexible strand of tinned copper wires AWG 22/7.  
Insulation: Special Polyolefin. Nominal Ø 1,60 mm.  
Core identification: White - Blue, Yellow - Orange.

#### Total assembly

Make-Up: Conductors laid-up together. Fillers placed as necessary to get a round assembly.  
Screen: Aluminium/Polyester tape + Tinned copper wire braiding.  
Outer jacket: Special halogen free compound.  
Color: Blue (Turquoise).  
Outer diameter: 7,00 mm ± 0,30 mm.  
Printing on jacket: Sumcab TMC - Sumtraffic® PNM-F5 4x22AWG 300V - CE- RoHS - "www/yyyy" - "OF No" - Made in Spain - [www.stmcables.com](http://www.stmcables.com) "Meters"

#### Technical data

Temperature range: Static -40°C to +90°C  
Flexing -5°C to +90°C  
Min. bending radius: Static 8xD  
Flexing 10xD  
Propagation speed: 66%  
Impedance (100 MHz): 100 Ω ±15%

#### Electrical & physical data

Maximal Voltage: 300V  
Electrical resistance (20°C): ≤ 55,8 Ω/km  
Insulation resistance: ≥ 150 MΩ·km  
Capacity: ≤ 55 pF/m  
Test voltage (1 min.): 2 kVac (C/C); 1 kVac (C/S).  
Copper content: 31,0 kg/km  
Cable weight: 73 kg/km

#### Fire performance

Flame retardant: IEC 60332-1-2  
Fire propagation: EN 60332-3-25

#### Other certifications / Special properties

Low smoke emission: IEC 61034-2.  
Toxicity: EN 50305 ap. 9.2  
Requirements R15 and R16 for all the hazard levels HL1 - HL3 acc. EN 45545-2

### General Properties

CE 2014/35/EU & RoHS compliant

Manufacturer: Sumcab Tailor Made Cables, Barcelona - Country of origin: Spain

### Customer acceptance

Customer acceptance	Name:	Signature & Company stamp:
	Date:	

## Expect High Performance