

# Voice Cables APAC

VOICE U/UTP 50 PAIR AWG24 CAT 3 PE 1000M REEL

**Aginode Ref:** N100.838N

- Unshielded Cat 3 cable
- 50 pairs
- Suitable for voice and low grade data applications in LAN infrastructure
- Black PE outer sheath

Voice grade cables are used to integrate telephony applications in the backbone of a LAN infrastructure. They are multipair twisted pair cables and exist in Category 3, Category 5 and Category 5e performance levels.



## STANDARDS

ANSI/TIA-568-C.2  
ISO/IEC 11801

# Voice U/UTP 50 pair AWG24 Cat 3 PE 1000m reel

## Characteristics

### Construction characteristics

Screen	No
Outer sheath	PE
Sheath colour	Black
Insulating material	PE
Type of cable	U/UTP
Conductor material	Bare copper

### Dimensional characteristics

Number of pairs	50
Conductor cross-section (AWG/KCMIL)	24
Nominal outer diameter (mm)	17.0 mm

### Electrical characteristics

Mutual capacitance	66 nF/km
Characteristic impedance	100 Ohm

### Mechanical characteristics

Maximum pulling force (IEC 60794-1-2-E1)	800 N
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### Transmission characteristics

Attenuation at 16 MHz	13.1 dB/100m
Attenuation at 1 Mhz	2.6 dB/100m

### Usage characteristics

Operating temperature, range	-15...60 °C
Minimum dynamic operating bending radius	170.0 mm
Category	Cat. 3
Flame retardant	No
Ambient installation temperature, range	0...50 °C

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