

# Voice Cables APAC

VOICE U/UTP 25 PAIR AWG24 CAT 3 PE 1000M REEL

**Aginode Ref:** N100.837N

- Unshielded Cat 3 cable
- 25 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 25 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                     | 25      |
| Conductor cross-section (AWG/KCMIL) | 24      |
| Nominal outer diameter (mm)         | 11.4 mm |

### Electrical characteristics

|                          |          |
|--------------------------|----------|
| Mutual capacitance       | 66 nF/km |
| Characteristic impedance | 100 Ohm  |

### Mechanical characteristics

|  |       |
|--|-------|
| Maximum pulling force (IEC 60794-1-2-E1) | 400 N |
|--|-------|

### 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 | 115.0 mm    |
| Category                                 | Cat. 3      |
| Flame retardant                          | No          |
| Ambient installation temperature, range  | 0...50 °C   |

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