



CATEGORY 3 VOICE CABLE

ANSI/TIA-568 Category 3

5 orderable sizes

STANDARD ANSI/TIA-568 Category 3	CONDUCTOR 0.5 mm	INSULATION / JACKET PVC or LSZH communication jacket
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Construction

- 1 ■ Conductor (per core) – 24 AWG solid bare copper conductor · 1 × Ø0.8 mm · IEC 60228 cl.1
- 2 ■ Pair insulation – PE pair insulation · Wall PE pair insulation mm
- 3 ■ Filler – Bedding / filler
- 4 ■ Sheath – PVC or LSZH communication jacket

Size selection — all available cross-sections

Cable reference	Pair count	Conductor diameter	Conductor construction	Pair / unit construction	Screen / moisture protection	Insulation	Outer sheath	Electrical reference	OD guide	Weight guide
Category 3 U/UTP voice telephone cable 2 pair 0.5 mm	2 pair	0.5 mm	24 AWG solid bare copper conductor	1 x 2 twisted pairs	Screen-free U/UTP voice cable construction	PE pair insulation	PVC or LSZH communication jacket	97.8 Ω/km max, Category 3 voice transmission reference up to 16 MHz	8.0 mm	54 kg/km
Category 3 U/UTP voice telephone cable 4 pair 0.5 mm	4 pair	0.5 mm	24 AWG solid bare copper conductor	1 x 4 twisted pairs	Screen-free U/UTP voice cable construction	PE pair insulation	PVC or LSZH communication jacket	97.8 Ω/km max, Category 3 voice transmission reference up to 16 MHz	8.9 mm	65 kg/km
Category 3 U/UTP voice telephone cable 25 pair 0.5 mm	25 pair	0.5 mm	24 AWG solid bare copper conductor	1 x 25 pair unit + earth option	Screen-free U/UTP voice cable construction	PE pair insulation	PVC or LSZH communication jacket	97.8 Ω/km max, Category 3 voice transmission reference up to 16 MHz	13.6 mm	147 kg/km
Category 3 U/UTP voice telephone cable 50 pair 0.5 mm	50 pair	0.5 mm	24 AWG solid bare copper conductor	5 x 10 pair units + optional earth wire	Screen-free U/UTP voice cable construction	PE pair insulation	PVC or LSZH communication jacket	97.8 Ω/km max, Category 3 voice transmission reference up to 16 MHz	16.8 mm	232 kg/km
Category 3 U/UTP voice telephone cable 100 pair 0.5 mm	100 pair	0.5 mm	24 AWG solid bare copper conductor	10 x 10 pair units + optional earth wire	Screen-free U/UTP voice cable construction	PE pair insulation	PVC or LSZH communication jacket	97.8 Ω/km max, Category 3 voice transmission reference up to 16 MHz	21.3 mm	391 kg/km