



CATEGORY 6 FOIL SCREENED LAN CABLE

IEC 61156-5

2 orderable sizes

STANDARD IEC 61156-5	CONDUCTOR AWG23/1 solid bare copper	INSULATION / JACKET LSZH CPR Cca indoor jacket / PVC CMR riser jacket
--------------------------------	---	---

Construction

- 1 ■ **Conductor (per core)** – Bare copper conductor
- 2 ■ **Pair insulation** – Solid PE or foam PE pair insulation
- 3 ■ **Filler** – Bedding / filler
- 4 ■ **Overall screen (OS)** – Al/polyester foil + drain
- 5 ■ **Sheath** – PVC CMR riser jacket

Size selection — all available cross-sections

Cable reference	Category	Pair layout	Conductor	Bandwidth	Transmission	Shielding	Jacket / rating	Power support	Max DC resistance at 20 °C	OD guide
Cat6 F/UTP LAN Cat6 4 x 2 pair AWG23/1 solid bare copper F/UTP LSZH CPR Cca indoor jacket	Cat6	4 x 2 pair	AWG23/1 solid bare copper	250 MHz	1 Gbit/s to 100 m; 10 Gbit/s for short channel design	F/UTP	LSZH CPR Cca indoor jacket	PoE / PoE+ / PoE++ with screen bonding	7.6 Ω/100 m max	6.8 mm
Cat6 F/UTP LAN Cat6 4 x 2 pair AWG23/1 solid bare copper F/UTP PVC CMR riser jacket	Cat6	4 x 2 pair	AWG23/1 solid bare copper	250 MHz	1 Gbit/s to 100 m; 10 Gbit/s for short channel design	F/UTP	PVC CMR riser jacket	PoE / PoE+ / PoE++ with screen bonding	7.6 Ω/100 m max	6.6 mm