



SHIELDED 10 GIGABIT DATA-CENTER CABLE

IEC 61156-5

2 orderable sizes

<p>STANDARD IEC 61156-5</p>	<p>CONDUCTOR AWG23/1 solid bare copper, AWG26/7 stranded bare copper</p>	<p>INSULATION / JACKET LSZH CPR Cca indoor jacket / PVC CMP plenum jacket</p>
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Construction

- 1 ■ **Conductor (per core)** – Bare copper conductor · 1 × Ø0.41 mm · IEC 60228 cl.1
- 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 CMP plenum 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
Cat6A S/FTP Data Center Cat6A 4 x 2 pair AWG23/1 solid bare copper S/FTP PVC CMP plenum jacket	Cat6A	4 x 2 pair	AWG23/1 solid bare copper	500 MHz	10 Gbit/s up to 100 m channel design	S/FTP	PVC CMP plenum jacket	PoE++ with shield continuity and bundle-temperature review	7.6 Ω/100 m max	8.2 mm
Cat6A S/FTP Data Center Cat6A 4 x 2 pair AWG26/7 stranded bare copper S/FTP PVC CMP plenum jacket	Cat6A	4 x 2 pair	AWG26/7 stranded bare copper	500 MHz	10 Gbit/s up to 100 m channel design	S/FTP	PVC CMP plenum jacket	PoE++ with shield continuity and bundle-temperature review	15.0 Ω/100 m max	7.7 mm