



**HIGH-BANDWIDTH SHIELDED LAN CABLE**

IEC 61156-5

1 orderable sizes

STANDARD <b>IEC 61156-5</b>	CONDUCTOR <b>AWG23/1 solid bare copper</b>	INSULATION / JACKET <b>PE outdoor jacket</b>
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**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** – PE outdoor 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
Cat7 S/FTP LAN Cat7 4 x 2 pair AWG23/1 solid bare copper S/FTP PE outdoor jacket	Cat7	4 x 2 pair	AWG23/1 solid bare copper	600 MHz	10 Gbit/s channel design with Class F system components	S/FTP	PE outdoor jacket	PoE++ with screened connector system	7.6 Ω/100m max	9.1 mm