



**SHORT-REACH HIGH-SPEED DATA-CENTER CABLE**

IEC 61156-9

2 orderable sizes

<b>STANDARD</b> IEC 61156-9	<b>CONDUCTOR</b> AWG22/1 solid bare copper, AWG24/1 solid bare copper	<b>INSULATION / JACKET</b> LSZH CPR Cca indoor jacket / PVC CMP plenum jacket
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**Construction**

- 1 ■ **Conductor (per core)** – Bare copper conductor · 1 × Ø0.5 mm · IEC 60228 cl.1
- 2 ■ **Pair insulation** – Solid PE or foam PE pair insulation
- 3 ■ **Filler** – Bedding / filler
- 4 ■ **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
Cat8.1 S/FTP LAN Cat8.1 4 x 2 pair AWG22/1 solid bare copper S/FTP PVC CMP plenum jacket	Cat8.1	4 x 2 pair	AWG22/1 solid bare copper	2000 MHz	25GBASE-T / 40GBASE-T short channel design	S/FTP	PVC CMP plenum jacket	PoE++ subject to channel and thermal design	5.9 Ω/100 m max	9.4 mm
Cat8.1 S/FTP LAN Cat8.1 4 x 2 pair AWG24/1 solid bare copper S/FTP PVC CMP plenum jacket	Cat8.1	4 x 2 pair	AWG24/1 solid bare copper	2000 MHz	25GBASE-T / 40GBASE-T short channel design	S/FTP	PVC CMP plenum jacket	PoE++ subject to channel and thermal design	9.5 Ω/100 m max	9.0 mm