



## RS-485 SERIAL BUS CABLE

IEC 61158

16 orderable sizes

STANDARD <b>IEC 61158</b>	CONDUCTOR <b>AWG24/1 solid / AWG24/7 stranded</b>	INSULATION / JACKET <b>PVC jacket</b>
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### Construction

- 1 ■ Conductor (per core) – AWG24/1 solid
- 2 ■ Pair insulation – Foam PE, PE or fieldbus-grade insulation
- 3 ■ Filler – Bedding / filler
- 4 ■ Overall screen (OS) – Al/polyester foil + drain
- 5 ■ Sheath – PVC jacket

### Size selection — all available cross-sections

Cable reference	Protocol	Network use	Pair / hybrid layout	Conductor	Impedance	Mutual capacitance
RS-485 Modbus Screened Serial bus 1 x 2 pair AWG24/1 solid Static installation	RS-485 / Modbus	Serial bus	1 x 2 pair	AWG24/1 solid	120 Ω nominal	Approx. 45 pF/m
RS-485 Modbus Screened Serial bus 1 x 2 pair AWG24/1 solid Flexible installation	RS-485 / Modbus	Serial bus	1 x 2 pair	AWG24/1 solid	120 Ω nominal	Approx. 45 pF/m
RS-485 Modbus Screened Serial bus 1 x 2 pair AWG24/7 stranded Static installation	RS-485 / Modbus	Serial bus	1 x 2 pair	AWG24/7 stranded	120 Ω nominal	Approx. 45 pF/m
RS-485 Modbus Screened Serial bus 1 x 2 pair AWG24/7 stranded Flexible installation	RS-485 / Modbus	Serial bus	1 x 2 pair	AWG24/7 stranded	120 Ω nominal	Approx. 45 pF/m
RS-485 Modbus Screened Serial bus 2 x 2 pair AWG24/1 solid Static installation	RS-485 / Modbus	Serial bus	2 x 2 pair	AWG24/1 solid	120 Ω nominal	Approx. 45 pF/m

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RS-485 Modbus Screened Serial bus 2 x 2 pair AWG24/7 stranded Flexible installation	RS-485 / Modbus	Serial bus	2 x 2 pair	AWG24/7 stranded	120 Ω nominal	Approx. 45 pF/m
RS-485 Modbus Screened Industrial controls 1 x 2 pair AWG24/1 solid Static installation	RS-485 / Modbus	Industrial controls	1 x 2 pair	AWG24/1 solid	120 Ω nominal	Approx. 45 pF/m
RS-485 Modbus Screened Industrial controls 1 x 2 pair AWG24/1 solid Flexible installation	RS-485 / Modbus	Industrial controls	1 x 2 pair	AWG24/1 solid	120 Ω nominal	Approx. 45 pF/m
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