



**PROFIBUS DP FIELDBUS CABLE**

IEC 61158

8 orderable sizes

<b>STANDARD</b> IEC 61158	<b>CONDUCTOR</b> AWG22/1 solid / AWG22/7 stranded	<b>INSULATION / JACKET</b> Violet PVC jacket
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**Construction**

- 1 ■ Conductor (per core) – AWG22/1 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 – Violet PVC jacket

**Size selection — all available cross-sections**

Cable reference	Protocol	Network use	Pair / hybrid layout	Conductor	Impedance	Mutual capacitance
Profibus DP Fast-connect fieldbus 1 x 2 pair AWG22/1 solid Static installation	Profibus DP	Fast-connect fieldbus	1 x 2 pair	AWG22/1 solid	150 Ω nominal	Approx. 30 pF/m
Profibus DP Fast-connect fieldbus 1 x 2 pair AWG22/1 solid Flexible installation	Profibus DP	Fast-connect fieldbus	1 x 2 pair	AWG22/1 solid	150 Ω nominal	Approx. 30 pF/m
Profibus DP Fast-connect fieldbus 1 x 2 pair AWG22/7 stranded Static installation	Profibus DP	Fast-connect fieldbus	1 x 2 pair	AWG22/7 stranded	150 Ω nominal	Approx. 30 pF/m
Profibus DP Fast-connect fieldbus 1 x 2 pair AWG22/7 stranded Flexible installation	Profibus DP	Fast-connect fieldbus	1 x 2 pair	AWG22/7 stranded	150 Ω nominal	Approx. 30 pF/m
Profibus DP PLC network 1 x 2 pair AWG22/1 solid Static installation	Profibus DP	PLC network	1 x 2 pair	AWG22/1 solid	150 Ω nominal	Approx. 30 pF/m
Profibus DP PLC network 1 x 2 pair AWG22/1 solid Flexible installation	Profibus DP	PLC network	1 x 2 pair	AWG22/1 solid	150 Ω nominal	Approx. 30 pF/m

Cable reference	Protocol	Network use	Pair / hybrid layout	Conductor	Impedance	Mutual capacitance
<b>Profibus DP PLC network 1 x 2 pair AWG22/7 stranded Static installation</b>	Profibus DP	PLC network	1 x 2 pair	AWG22/7 stranded	150 Ω nominal	Approx. 30 pF/m
<b>Profibus DP PLC network 1 x 2 pair AWG22/7 stranded Flexible installation</b>	Profibus DP	PLC network	1 x 2 pair	AWG22/7 stranded	150 Ω nominal	Approx. 30 pF/m

UE Cable · China — sales@uecable.com · uecable.com Confirm colour, printing, packing length, delivery country and test documents on enquiry.