

7x12 AWG 600V Overall Shielded Control Cable

Part Number: **8BBP107xxx**

Applications: Process control industry, Short-range low-frequency signals, Indoor, Outdoor

General Construction: 7 wires are cabled together, overall polyester/aluminum foil shielded and PVC jacketed. The wires are 600 Volts and 105°C rated per MIL-W-16878.

Outer Jacket Material: UV resistant FR-PVC

Outer Diameter: 11.7 mm nom.

Weight: 315 kg/km



Design & Materials

Conductor Material:	Tinned Copper
Conductor Size:	12 AWG
Conductor Construction:	19x0.455 mm
Insulation Material:	FR-PVC -55°C to 105°C rating
Insulation Thickness:	0.4 mm
Insulation O.D.:	3.1 mm nom.
Conductor Color Code:	Color Code:
Overall Shield Design:	100% Coverage
Overall Shield Material:	Aluminum/Polyester Foil
Overall Foil Thickness:	23 µm
Overall Foil Shield:	Yes
Overall Drain-wire Material:	Tinned Copper
Overall Drain-wire size:	16 AWG
Total number of wires:	7
Outer Jacket Thickness:	1.3 mm nom.
Outer Jacket Color:	See TELDOR Jacket Code
Marking:	Per request

Standards

Flamability Rating: IEC 60331-1, UL 1581 VW-1

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Performance

Max. DC Resistance :	6.3 /km@20°C
Dielectric Strength:	2000 V/minute
Min. Bend Radius:	70 mm
Max. Operating Temperature:	+90 °C
Min. Operating Temperature:	-30 °C
UV resistance:	Yes

Prepared By	Revised By	Version Num	Modified on
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