

4x20 AWG 600V Overall Shielded Control Cable

Part Number: **8PFP104109**

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

General Construction: 4 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: 6.5 mm nom.

Weight: 70 kg/km



Design & Materials

Conductor Material:	Annealed Tinned Copper
Conductor Size:	20 AWG
Conductor Construction:	19x0.20 mm
Insulation Material:	FR-PVC -55°C to 105°C rating
Insulation Thickness:	0.4 mm
Insulation O.D.:	1.85 mm nom.
Conductor Color Code:	Black, White, Red, Green
Overall Shield Design:	100% Coverage
Overall Shield Material:	Aluminum/Polyester Foil
Overall Foil Thickness:	24 µm
Overall Drain-wire Material:	Annealed Tinned Copper
Overall Drain-wire size:	20 AWG
Overall Drain-wire Construction:	Stranded
Total number of conductors:	4
Rip-Cord:	Yes
Outer Jacket Thickness:	1.0 mm nom.
Outer Jacket Color:	Gray
Marking:	Per request

Standards

Applicable Standards:	RoHS-2 2011/65/EU
Flammability Rating:	IEC 60332-1, UL 1581 VW-1

Performance

Max. DC Resistance :	35.9 Ω /km@20°C
Dielectric Strength:	2000 V/minute
Dielectric Strength to Shield:	1000 V/minute
Min. Insulation Resistance :	200 M Ω •km
Voltage Rating:	600 V
Min. Bend Radius:	40 mm
Max. Operating Temperature:	+90 °C
Min. Operating Temperature:	30 °C
UV Resistance:	Yes

Prepared By	Revised By	Version Num	Modified on
Dov Shaham	Dov Shaham	2.11	04-07-2013

Teldor Cables & Systems Ltd. ("Teldor") reserves the right to make changes to the products described in this catalog without prior notice. Teldor does not assume any liability which may occur due to the use of the products described herein. Drawings may not be to scale and are provided for general and informational purposes only. The information contained in this catalog is the proprietary property of Teldor, and may not be used, reproduced or disclosed to others, in whole or in part, without the written authorization of Teldor.

Teldor Cables & Systems Ltd. - Ein-Dor, 1933500

ISRAEL

Tel: +972 4 6770555

Fax: +972 4 6770650