

8x20 AWG 600V Overall Shielded Control Cable

Part Number: **8MFP108109**

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

General Construction: 8 wires are cabled together, overall foil shielded and jacketed.

Outer Jacket Material: UV resistant FR-PVC

Outer Diameter: 11.0 mm nom.

Weight: 160 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:	0.8 mm
Insulation O.D.:	2.6 mm nom.
Conductor Color Code:	Black, numbered
Overall Shield Design:	100% Coverage
Overall Shield Material:	Aluminum/Polyester Foil
Overall Drain-wire Material:	Annealed Tinned Copper
Overall Drain-wire size:	20 AWG
Overall Drain-wire Construction:	Stranded
Total number of conductors:	8
Rip-Cord:	Yes
Outer Jacket Thickness:	1.2 mm nom.
Outer Jacket Color:	Gray
Marking:	Per request

Standards

Applicable Standards:	UL 1277 Power and Control Tray Cables (TC) - UL Certified, RoHS-2 2011/65/EU
Flammability Rating:	IEC 60332-3 , IEEE 383

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:	Dx6
Max. Operating Temperature:	+90 °C
Min. Operating Temperature:	30 °C
UV Resistance:	Yes

Prepared By	Revised By	Version Num	Modified on
Roe Ran	Asher Bohbut	1.4	07-04-2016

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

ISRAEL

Tel: +972 4 6770555

Fax: +972 4 6770650