

9x18 AWG TC 600V Overall Shielded Control Cable

Part Number: **8KMP109109**

Applications: Outdoor, Indoor, Short-range low-frequency signals, Process control industry
General Construction: 9 wires are cabled together, overall foil shielded and jacketed.
Outer Jacket Material: UV resistant FR-PVC
Outer Diameter: 13.0 mm nom.
Weight: 225 kg/km



Design & Materials

Conductor Material:	Annealed Tinned Copper
Conductor Size:	18 AWG
Conductor Construction:	7x0.40 mm
Insulation Material:	FR-PVC -55°C to 105°C rating
Insulation Thickness:	0.8 mm
Insulation O.D.:	2.8 mm nom.
Pair Identification:	Colors
Conductor Color Code:	Color Code:
Overall Shield Design:	100% Coverage
Overall Shield Material:	Aluminum/Polyester Foil
Overall Drain-wire Material:	Annealed Tinned Copper
Overall Drain-wire size:	18 AWG
Overall Drain-wire Construction:	Stranded
Total number of conductors:	9
Rip-Cord:	Yes
Outer Jacket Thickness:	1.3 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

Performance

Max. DC Resistance :	22.0 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
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