

## 18x18 AWG TC 600V Overall Shielded Control Cable

**Part Number:** **8KMP118109**

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

**General Construction:** 18 wires are cabled together, overall foil shielded and jacketed.

**Outer Jacket Material:** UV resistant FR-PVC

**Outer Diameter:** 17.0 mm nom.

**Weight:** 390 kg/km



### Design & Materials

<b>Conductor Material:</b>	Annealed Tinned Copper
<b>Conductor Size:</b>	18 AWG
<b>Conductor Construction:</b>	7x0.40 mm
<b>Insulation Material:</b>	FR-PVC -55°C to 105°C rating
<b>Insulation Thickness:</b>	0.8 mm
<b>Insulation O.D.:</b>	2.8 mm nom.
<b>Pair Identification:</b>	Colors
<b>Conductor Color Code:</b>	Black, numbered
<b>Overall Shield Design:</b>	100% Coverage
<b>Overall Shield Material:</b>	Aluminum/Polyester Foil
<b>Overall Drain-wire Material:</b>	Annealed Tinned Copper
<b>Overall Drain-wire size:</b>	18 AWG
<b>Overall Drain-wire Construction:</b>	Stranded
<b>Total number of conductors:</b>	18
<b>Rip-Cord:</b>	Yes
<b>Outer Jacket Thickness:</b>	1.4 mm nom.
<b>Outer Jacket Color:</b>	Gray
<b>Marking:</b>	Per request

### Standards

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

## Performance

<b>Max. DC Resistance :</b>	22.0 $\Omega$ /km@20°C
<b>Dielectric Strength:</b>	2000 V/minute
<b>Dielectric Strength to Shield:</b>	1000 V/minute
<b>Min. Insulation Resistance :</b>	200 M $\Omega$ •km
<b>Voltage Rating:</b>	600 V
<b>Min. Bend Radius:</b>	Dx6
<b>Max. Operating Temperature:</b>	+90 °C
<b>Min. Operating Temperature:</b>	-30 °C
<b>UV resistance:</b>	Yes

Prepared By	Revised By	Version Num	Modified on
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