

2x18 AWG TC 600V Overall Shielded Control Cable INSTRUMENTATION & SIGNAL

P/N 8KMP102109

INDUSTRY

Applications

Process control industry, Short-range low-frequency signals, Indoor, Outdoor, Class 1 Division 2



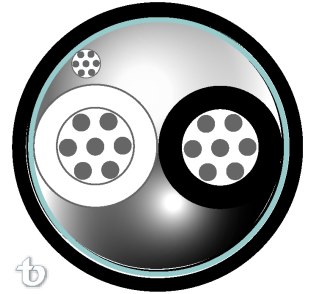
Outer Jacket Material
UV resistant FR-PVC



Outer diameter
7.5 mm nom.



Weight
70 kg/km



General Construction

2 wires are cabled together, overall foil shielded and jacketed.

Design & Materials

Conductor Material	Annealed Tinned Copper
Conductor Size (AWG)	18
Conductor Construction	7x0.40 mm
Insulation Material	FR-PVC -55°C to 105°C rating
Insulation Thickness (mm)	0.8
Insulation O.D. (mm nom)	2.8
Pair Identification	Colors
Conductor Color Code	Black, White
Overall Shield Design	100% Coverage
Overall Shield Material	Aluminum/Polyester Foil
Overall Drain-wire Material	Annealed Tinned Copper
Overall Drain-Wire Size (AWG)	18
Overall Drain-wire Construction	Stranded
Total Number Of Conductors	2
Rip-Cord	Yes
Outer Jacket Thickness (mm nom)	0.9
Outer Jacket Color	Gray
Marking	Per request

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Performance

Max. DC Resistance ($\Omega/\text{km}@20^{\circ}\text{C}$)	22.0
Capacitance (pF/m)	120
Capacitance Pair to Shield (pF/m)	220
Dielectric Strength (V/minute)	2000
Dielectric Strength to Shield (V/minute)	1000
Min. Insulation Resistance ($\text{M}\Omega\cdot\text{km}$)	200
Voltage Rating (V)	600
Min. Bend Radius (mm)	Dx6
Min. Operating Temperature ($^{\circ}\text{C}$)	-30
Max. Operating Temperature ($^{\circ}\text{C}$)	+90
UV Resistance	Yes

Standards

Flammability Rating
IEC 60332-1
IEC 60332-3
IEEE 383
UL 1581 VW-1

Applicable Standards
IEC 60228
UL 1277 Power and Control Tray
Cables (TC) - UL Certified
RoHS 3 2015/863/EU



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