

MK-FOUR 2 PAIRS CONTROL CABLE



DESCRIPTION

0.61mm (24 AWG) stranded 7 x 0.20mm (7 x 32 AWG) TC conductors, polyethylene insulation, twisted pairs, AL foil (100% coverage) + TC braid shield 8 x 16 x 0.12mm, 24 AWG 0.61mm stranded TC drain wire, PVC jacket

INDUSTRY STANDARD

- Reference standard : UL444, UL13, UL 1665

SPECIFICATIONS

Physical Characteristics	
Conductor	2 Pairs Tinned Copper 0.61mm (24 AWG)
Stranding	7 x 0.20mm (7 x 32 AWG)
Insulation	
Insulation Material	PE – Polyethylene
Outer Shield	
Outer Shield Material	Aluminum Foil – Polyester Tape (100%) Tinned Copper Braid (95%)
Outer Shield Drain Wire AWG	24 AWG (7 x 32) TC – Tinned Copper
Outer Jacket	
Outer Jacket Material	PVC – Polyvinyl Chloride
Jacket Color	Grey
Overall Cabling	
Overall Nominal Diameter	8.64mm (0.340 in.)
Pair Color Code Chart	
Number	Color
1	White/ Blue & Blue/ White
2	White/ Orange & Orange/ White
Mechanical Characteristics	
Operating Temperature Range	-30°C to +80°C
UL Temperature Rating	80°C
Bulk Cable Weight	62 lbs./ 1000ft.
Max. Recommended Pulling Tension	87 lbs.
Min. Bend Radius (Install)/ Minor Axis	3.500 in.
Electrical Characteristics	
Nom. Characteristic Impedance	120 Ohms
Nom. Capacitance Conductor to Conductor	12.8 pF/ ft.
Nom. Capacitance Cond. to Other Conductor & Shield	23 pF/ ft.
Nominal Velocity of Propagation	66%
Nominal Delay	1.6 ns/ ft.
Nom. Conductor DC Resistance	24 DCR at 20°C (Ohm/ 1000ft.)
Nominal Outer Shield DC Resistance	2.2 DCR at 20°C (Ohm/ 1000ft.)
Nom. Attenuation	0.6 at 1 MHz (dB/ 100ft.)
Max. Operating Voltage – UL	300V RMS
Max. Recommended Current	2.1Amps per conductor at 25°C
Packing	300m / Reel