

Part Number 73 - 173

Product Description CSA CMG/AWM, 3PR 22 AWG 7 Strand Tinned Copper, HDPE Insulation, Flame Retardant PVC Jacket, Individually Shielded, 600V Cable

Specifications Reference CSA C22.2 No. 214 Communication Cables
CSA C22.2 No. 210 Appliance Wiring
UL 444 Communication Cables

Additional Specifications

Cable Markings

CSA CMG 60C 22 AWG LL83251 (UL) CM 22 AWG E129985 CSA AWM II A 80C 600V FT4 LL67097 - - - - ROHS
work order #, month, year, meter markings (every 1 meter)

Construction Details

Conductor

Description	22 AWG 7 Strand Tinned Copper	
Standard	ASTM B8 (Class B), B33	FALSE
Nominal Diameter	0.0300 inch (0.762 mm)	
Type	Concentric	

Insulation

Material	High Density Polyethylene
Thickness	0.009 inch (0.229 mm)
Nominal Diameter	0.050 inch (1.270 mm)

Pairs Identification

Colour	To Be Specified
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Pairs/Triads/Quads

Nominal Diameter	0.104 inch (2.641 mm)
Pair Shield	Aluminum/Mylar Tape
Drain	24-7T Copper Concentric
Drain Nominal Diameter	0.024 inch (0.610 mm)

Bonding

Conductor	None
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Cable Core Assembly

Nominal Diameter	0.213 inch (5.403 mm)
Fillers	None

Jacket

Nominal Diameter	0.269 inch (6.826 mm)
Minimum Average Thickness	0.025 inch (0.635 mm)
Ripcord	POLYESTER
Color	To be specified

Electrical Parameters

Voltage Rating	300/600 V (CSA CMG/AWM)	
Conductor Resistance	54.4600 Ohm/km @20C	16.5996 Ohm/1000 ft @20C
Shielded Pair Capacitance	84.57 pF/m	25.78 pF/ft
Inductance (HF)	0.491 µH/m	0.150 µH/ft
Impedance	59.76 Ohm	

Mechanical Parameters

Flame Test Rating	CSA FT4	
Temperature Rating	to 60C (CMG), 80C (AWM)	
Overall Cable Diameter	0.269 inch (6.826 mm)	
Cable Weight	55.43 kg/km	37.25 lbs/1000 ft
Copper Content	25.86 kg/km	17.38 lbs/1000 ft
Max Pull Tension (Eye)	20.96 kgf	46.20 lbf
Min Bending Radius	55 mm (installed)	2.1 inch (installed)
Min Installation Temperature	-20C	

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