

Part Number 73 - 123

Product Description CSA CMG/AWM, 3C 20 AWG 7 Strand Tinned Copper, PE Insulation, PVC Jacket, Overall Shield, 600V Cable

Specifications Reference None
Additional Specifications None

Standard Jacket Print

CSA CMG 60C 20 AWG LL83251 (UL) CM 20 AWG E129985 CSA AWM II A/B 80C 600V FT4 LL67097 - - - ROHS
work order #, month, year, meter markings (every 1 meter)

Construction Details

Conductor

Description	20 AWG 7 Strand Tinned Copper
Standard	ASTM B8 (Class B), B33
Nominal Diameter	0.0378 inch (0.960 mm)
Type	Concentric

Insulation

Material	High Density Polyethylene
Thickness	0.015 inch (0.381 mm)
Nominal Diameter	0.070 inch (1.778 mm)

Conductors Identification

Colour	Standard
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Bonding

Conductor	None
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Cable Core Assembly

Nominal Diameter	0.155 inch (3.932 mm)
Fillers	None
Overall Shield Tape	Aluminum/Mylar Tape
Drain	24-7T Copper Concentric
Drain Nominal Diameter	0.024 inch (0.610 mm)

Jacket

Nominal Diameter	0.207 inch (5.253 mm)
Minimum Average Thickness	0.023 inch (0.584 mm)
Material	Flame Retardant PVC
Ripcord	POLYESTER
Color	METALLIC GREY

Electrical Parameters

Voltage Rating	300/600 V (CMG/AWM)	
Conductor Resistance	34.4488 Ohm/km @20C	10.5001 Ohm/1000 ft @20C
Inductive Reactance	0.1229 Ohm/km @60 Hertz	0.03747 Ohm/1000 ft @60 Hertz
Capacitance	49.26 pF/m	15.02 pF/ft
Inductance (HF)	0.326 µH/m	0.099 µH/ft
Impedance	71.52 Ohm	

Mechanical Parameters

Overall Cable Diameter	0.207 inch (5.253 mm)	
Cable Weight	39.30 kg/km	26.41 lbs/1000 ft
Copper Content	17.38 kg/km	11.68 lbs/1000 ft
Max Pull Tension (Eye)	16.63 kgf	36.67 lbf
Min Bending Radius	42 mm (installed)	1.7 inch (installed)
Min Installation Temperature	-20C	

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