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# 3M™ Round, Shielded/Jacketed, Flat Cable, 3659 Series 3659/37, 100 ft.

UPC# 00051138420710 3M Product Number 3659/37 3M ID 80610802359

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.050" 28 AWG Stranded, Mass Terminatable, PVC/PVC, 100 ft.

- Round construction permits easier routing
- 28 AWG wire on .050 inch pitch permits mass termination to broad line of IDC connectors
- Continuous split/bond repeat allows for mass termination on 2.4 inch centers (approximate)
- Primary cable is zippable for branching or discrete terminations
- Meets external wiring requirements of National Electrical Code, Article 725 (CL2)
- UL listed for USA and Canadian markets
- Dual shielding provides 35 db average shielding effectiveness
- RoHS Compliant

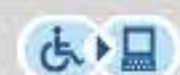
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## Specifications

Balanced Capacitance	15.2 pF/ft (49.9 pF/m)
Balanced Inductance	.20 microHenry/ft (0.66 microHenry/m)
Balanced Propagation Delay	1.72 ns/ft (5.64 ns/m)
Cable Style	Round
Capacitance -- Balanced	15.2 Picofarad
Capacitance -- Unbalanced	27.7 Picofarad
Characteristic Impedance -- Balanced	106 Ohm
Characteristic Impedance -- Unbalanced	62 Ohm
Color	Gray
Conductors	28 AWG 7x36 [7x0.127] Tinned Stranded Copper
Conductor Material	Copper
Conductor Resistance	65 Ohm
EU RoHS Compliant	Yes
First Position Marking	Red
Flammability Rating -- Canada	FT1
Flammability Rating -- EU	None
Flammability Rating--USA	N.E.C. 725, CL2
Impedance -- Balanced	106 Ohm
Impedance -- Unbalanced	62 Ohm
Inductance -- Balanced	.20 Microhenry
Inductance -- Unbalanced	.13 Microhenry
Insulation Material	Polyvinyl Chloride (PVC)
Insulation Resistance	>1x10 <sup>10</sup> Ohm/10ft. [3m]
Jacket	Yes
Lower Temperature Rating	0 Degree Celsius
Number of Conductors	37
Pitch	0.050 Inch
Plating Material	None
Primary Configuration	Parallel Split
Primary Insulation Color	Gray
Primary Insulation Material	Polyvinyl Chloride (PVC)
Primary Material	PVC
Propagation Delay -- Balanced	1.62 Nanosecond
Propagation Delay -- Unbalanced	1.72 Nanosecond
Shape	Round
Shield	Yes
Shielding	.001 [0.03] Thick Aluminum/Polyester Film Foil and 90% Coverage Tinned Copper Braid
Stranding	7 X 36 [ 7 X 0.127]
UL File Number	E118773
UL Listed -- USA	N.E.C. Article 725, CL2
UL Recognized -- USA	AWM Style 20267
UL Recognized-- Canada	IIA/B
Unbalanced Capacitance	27.7 pF/ft [90.88 pF/m]
Unbalanced Inductance	.13 microHenry/ft (0.43 microHenry/m)
Unbalanced Propagation Delay	1.62 ns/ft (5.32 ns/m)
Upper Temperature Rating -- Canada	80 Degree Celsius
Upper Temperature Rating -- USA	75 Degree Celsius
Velocity of Propagation-- Balanced	62%
Velocity of Propagation-- Unbalanced	59%
Voltage Rating--USA	N.E.C. 725, CL2
Voltage Rating: Canada	300V
Voltage Rating: EU	<50V
Wire Gauge	28 American Wire Gauge (AWG)



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