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**3M™ Power Cable, .100" 24 AWG Stranded,
Round Conductor Flat Cable, 8125/30, 100 ft.** [Printer-friendly format](#)**30 conductors, PVC, Standard**[\[click to enlarge\]](#)

GTIN(UPC/EAN) : 0 00 54007 62071 6
3M Id : 80-6102-1110-6

Additional Information

- Designed for power applications requiring higher current carrying capability
- 24 AWG tinned stranded copper wire provides flexibility and extended product life
- Individually insulated conductors are laminated to a PVC backnig which can be zipped apart for branching or discrete terminations
- RoHS compliant

Learn More . . .[Packaging Data](#)[3M™ Round Conductor Flat Cable, .100", 8125 Series, TS0259 - Data Sheet \(PDF 171.8 K\)](#)**Please Note:**

Adobe® Acrobat® Reader is required to view PDF documents.



Accessories

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Characteristics

Cable Style	Flat
Capacitance -- Balanced	0 Picofarad
Capacitance -- Unbalanced	9.6 Picofarad
Characteristic Impedance -- Unbalanced	136 Ohm
China RoHS - Below MCV	Yes
Color	Dark Gray Wires
Conductor Material	Copper
Conductor Resistance	25 Ohm
Conductors	24 AWG 7x32 [7x0.203] Tinned Stranded Copper
EU RoHS Compliant	Yes
First Position Marking	Red
Flammability Rating -- Canada	FT1
Flammability Rating -- EU	None
Flammability Rating--USA	VW-1
Impedance -- Balanced	0 Ohm
Impedance -- Unbalanced	136 Ohm
Inductance -- Balanced	0 Microhenry
Inductance -- Unbalanced	.18 Microhenry
Insulation Material	Polyvinyl Chloride (PVC)
Insulation Resistance	>1x10 ¹⁰ Ohm/10ft. [3m]
Jacket	No
Lower Temperature Rating	-20 Degree Celsius
Material	Polyvinyl Chloride (PVC)
Number of Conductors	30
Pitch	0.100 Inch
Plating Material	Tin

Primary Configuration	Parallel
Primary Insulation Color	Dark Gray
Primary Insulation Material	Polyvinyl Chloride (PVC)
Primary Trademark Name	3M
Propagation Delay -- Balanced	0 Nanosecond
Propagation Delay -- Unbalanced	1.30 Nanosecond
Shape	Flat
Shield	No
Standard -- Canada	AWM IA 80C 150V FT1
Standard -- USA	AWM 20462 105C 300V VW1 3M NU
Stranding	7 X 32 [7 X 0.203]
Temperature Rating: Canada	-20 Degree C to +80 Degree C
Temperature Rating: USA	20 Degree C to +105 Degree C
UL File Number	E42769
UL Listed -- USA	None
UL Recognized -- USA	AWM Style 20462
UL Recognized-- Canada	IA
Unbalanced Capacitance	9.6 pF/ft. [31.5 pF/m]
Unbalanced Inductance	.15 microHenry/ft [0.49 microHenry/m]
Unbalanced Propagation Delay	1.30 ns/ft [4.27 ns/m]
Upper Temperature Rating -- Canada	80 Degree Celsius
Upper Temperature Rating -- USA	105 Degree Celsius
Velocity of Propagation--Unbalanced	78%
Voltage Rating -- Canada	150 Volt
Voltage Rating -- EU	>0 to <50 Volt
Voltage Rating--USA	300V
Voltage Rating: Canada	150V
Voltage Rating: EU	<50V

Wire Gauge

24 American Wire Gauge (AWG)

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