

Festoon Cable  
Pendant Cable  
STOOW Cable



# CRANE & HOIST CABLES





**JAMES MONROE**  
**WIRE & CABLE CORPORATION**

A CUSTOM CABLE MANUFACTURER FOR OVER 35 YEARS

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# Festoon Cable

**UL/CSA Festoon Cable**  
**600V / 2000V 105 °C**  
**VW1 / FT4**



## Application:

Designed for power and control applications. Crane bridges and Gantries, hoists, monorail systems, traveling electrified equipment utilizing a cantenary system for cable installation.

## Features:

Flat and Flexible Construction  
Rated for both indoor and outdoor use  
Durable Oil Resistant Outer Jacket  
(UL) VW-1 / CSA FT4 - Rated -40 °C to 90 °C

## Construction:

Flexible Stranded Bare Copper Conductors  
PVC Insulation, Color Coded Wires  
Flame retardant and Oil resistant outer PVC jacket  
Black or yellow jacket (other colors available)

## Technical Details:

Temperature Range: 40 °C to 105 °C  
AC Voltage Rating: 600V/2000V Peak  
Bend Radius: 1.5x Cable Width

## Approvals:

(UL) Festoon 600V 105 °C  
(UL) AWM 600V 105 °  
CSA Festoon 600V 105 °C

## Color Codes:

**For Four, Eight and Twelve conductor cables**

1. Black, 2. Red, 3. Blue, 4. Orange, 5. Yellow, 6. Brown, 7. Red/Black, 8. Blue/Black, 9. Orange/Black, 10. Yellow/Black, 11. Brown/Black, and 12. Black/Red

**For Five conductor cables**

1. Green, 2. White, 3. Black, 4. Red, and Blue

JM Part Number	Conductor AWG	Conductor Stranding	Insulation Thickness Inch (mm)	Dimensions Inches	Dimensions (mm)	Ampacity	Cable Wt lbs/Mft (Kg/Km)
<b>Four Conductors - Unshielded</b>							
JMC-452X04K	2/0	1330/30	0.082 (2.08)	0.783 x 2.712	19.89 x 68.89	213	2585 (3846)
JMC-450204K	2	665/30	0.062 (1.57)	0.558 x 1.959	14.17 x 49.76	142	1275 (1897)
JMC-450404K	4	413/30	0.062 (1.57)	0.486 x 1.656	12.34 x 42.06	104	875 (1302)
JMC-450604K	6	266/30	0.062 (1.57)	0.430 x 1.450	10.92 x 36.83	82	622 (926)
JMC-450804K	8	168/30	0.046 (1.17)	0.365 x 1.190	9.27 x 30.23	60	400 (595)
JMC-451004K	10	105/30	0.031 (0.79)	0.270 x 0.880	6.86 x 22.35	44	253 (376)
JMC-451204K	12	65/30	0.032 (0.81)	0.230 x 0.710	5.84 x 18.03	33	167 (248)
JMC-451404M	14	105/34	0.0385 (0.98)	0.240 x 0.690	6.10 x 17.53	27	140 (208)
JMC-451604M	16	65/34	0.031 (0.79)	0.200 x 0.590	5.08 x 14.99	20	90 (134)
<b>Five Conductors - Unshielded</b>							
JMC-451005K	10	105/30	0.031 (0.79)	0.270 x 1.080	6.86 x 27.43	31	299 (445)
JMC-451205K	12	65/30	0.030 (0.76)	0.219 x 0.845	5.56 x 21.46	23	199 (296)



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## Construction:

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PVC Insulation, Color Coded Wires  
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Black or yellow jacket (other colors available)

## Technical Details:

Temperature Range: 40°C to 105 °C  
AC Voltage Rating: 600V/2000V Peak  
Bend Radius: 1.5x Cable Width

## Approvals:

(UL) Festoon 600V 105 °C  
(UL) AWM 600V 105 °  
CSA Festoon 600V 105 °C

## Color Codes:

**For Four, Eight and Twelve conductor cables**

1. Black, 2. Red, 3. Blue, 4. Orange, 5. Yellow, 6. Brown, 7. Red/Black, 8. Blue/Black, 9. Orange/Black, 10. Yellow/Black, 11. Brown/Black, and 12. Black/Red

**For Five conductor cables**

1. Green, 2. White, 3. Black, 4. Red, and Blue

JM Part Number	Conductor AWG	Conductor Stranding	Insulation Thickness Inch (mm)	Dimensions Inches	Dimensions (mm)	Ampacity	Cable Wt lbs/Mft (Kg/Km)
<b>Eight Conductors - Unshielded</b>							
JMC-451208K	12	65/30	0.032 (0.81)	0.230 x 1.340	5.84 x 34.04	23	313 (466)
JMC-451408M	14	105/34	0.0385 (0.98)	0.240 x 1.334	6.10 x 33.88	19	258 (384)
JMC-451608M	16	65/34	0.031 (0.79)	0.200 x 1.110	5.08 x 28.19	14	175 (260)
<b>Twelve Conductors - Unshielded</b>							
JMC-451412M	14	105/34	0.0335 (0.85)	0.240 x 1.950	6.10 x 49.53	19	364 (542)
JMC-451612M	16	65/34	0.031 (0.79)	0.200 x 1.605	5.08 x 40.77	14	263 (391)
<b>Eight Conductors - Shielded</b>							
JMC-451608MSH	16	65/34	0.031 (0.79)	0.270 x 1.455	6.86 x 36.96	14	320 (476)
<b>Twelve Conductors - Shielded</b>							
JMC-451412MSH	14	105/34	0.0335 (0.85)	0.286 x 2.267	7.26 x 57.58	19	612 (911)
JMC-451612MSH	16	65/34	0.031 (0.79)	0.270 x 2.100	6.86 x 53.34	14	470 (699)
Sample print: E98199 PVC JMCxxxxxx-xxx 105C 600V VW-1 (UL) Festoon Cable Outdoor 4/C 2/0 AWG - - - LL41103 CSA Festoon Cable 105C 600V FT1 (-40C)							

# Pendant Cable



**UL Pendant Cable / Type MTW /  
CSA AWM / 600V 90°C / VW1 / FT1**



## Application:

For use in Hoist and Pendant applications.  
Rated for continuous use up to 90°C.

## Construction:

Flexible Stranded Bare Copper Conductors, PVC/Nylon Insulation,  
Color Coded Wires, Oil Resistant Yellow PVC Jacket.

Two 1/16" (7x7) External Galvanized Steel Messengers

## Technical Details:

Temperature: 90°C  
AC Voltage Rating: 600V

## Approvals:

UL Pendant 600V 90°C; UL  
Type MTW; CSA AWM 600V 90°C

## Color Code:

Per ICEA Method 1, Table E-2 with one Green/Yellow ground conductor

JM Part Number	Conductor AWG	No. of Conductors	Conductor Stranding	Insulation Thickness Inch (mm)	Jacket Thickness Inch (mm)	Dimensions Inch (mm)	Cable Wt lbs/Mft (Kg/Km)
<b>Flat Pendant With Dual Steel Messengers</b>							
JMC-7611608	16	8	65/34	0.021 (0.53)	0.053 (1.35)	0.490 (12.45)	216 (321)
JMC-7611608	16	12	65/34	0.021 (0.53)	0.063 (1.60)	0.566 (14.38)	260 (387)
JMC-7611608	16	16	65/34	0.021 (0.53)	0.063 (1.60)	0.624 (15.85)	315 (469)
JMC-7611608	16	24	65/34	0.021 (0.53)	0.080 (2.03)	0.789 (20.04)	475 (707)
<b>Round Pendant - No Steel Messengers</b>							
JMC-7631608	16	8	65/34	0.021 (0.53)	0.048 (1.22)	0.479 (12.17)	158 (235)
JMC-7631612	16	12	65/34	0.021 (0.53)	0.063 (1.60)	0.566 (14.38)	218 (324)
JMC-7631616	16	16	65/34	0.021 (0.53)	0.063 (1.60)	0.624 (15.85)	276 (411)
JMC-7631624	16	24	65/34	0.021 (0.53)	0.063 (1.60)	0.755 (19.18)	410 (610)
<b>Sample Print (Flat):</b> Pendant Cable (UL) E98199 8/C 16 AWG 90C 600V TYPE MTW VW-1 (UL) --- CSA LL41103 AWM I/II A/B 90C 600V FT1							
<b>Sample Print (Round):</b> Pendant Cable (UL) E98199 8/C 16 AWG 600V TYPE MTW VW-1 (UL) --- CSA LL41103 AWM I/II A/B 90C 600V FT1							

# STOOW Cable

**UL Type STOOW Cable / CSA STOOW AWM / 600V 105°C / FT1**



## Application:

For Use in Hoist and Pendant applications. Rated for continuous use up to 105°C.

## Construction:

Flexible Stranded Bare Copper Conductors, PVC Insulation, Color Coded Wires, Oil Resistant Yellow PVC Jacket.  
A 1/16" (7x7) Internal Galvanized Steel Messenger.

## Technical Details:

Temperature: 105°C  
AC Voltage Rating: 600V

## Approvals:

UL Pendant 600V 90°C; UL  
Type MTW; CSA AWM 600V 90°C

## Color Code:

Yellow, Blue, Brown, Red, Orange, White, and Purple

JM Part Number	Conductor AWG	No. of Conductors	Conductor Stranding	Insulation Thickness Inch (mm)	Jacket Thickness Inch (mm)	Dimensions Inch (mm)	Cable Wt lbs/Mft (Kg/Km)
<b>STOOW</b>							
JMC-7611608	16	3	65/34	0.032 (0.81)	0.065 (1.65)	0.514 (13.06)	100 (149)
JMC-7631616	16	5	65/34	0.032 (0.81)	0.085 (2.16)	0.554 (14.07)	173 (257)
JMC-7631624	16	7	65/34	0.032 (0.81)	0.085 (2.16)	0.592 (15.04)	185 (275)
<b>Sample Print:</b> E82930 3/C 16 AWG (1.31MM2) (UL) TYPE STOOW 105C 600V --- LL41103 CSA TYPE STOOW 105C 600V FT1 - Metal support member							



# Festoon, Pendant and STOOW Cables...

Designed for high performance and durability, like all wire and cable products manufactured by the James Monroe Wire and Cable Corporation, our Festoon and Pendant Cables have become a well known and trusted brand in North America.

As a specialty and custom cable manufacturer, the James Monroe Wire and Cable Corporation also manufactures custom Festoon and Pendant Cable products for a wide range of applications.



**JAMES MONROE**  
**WIRE & CABLE CORPORATION**

PO Box 1203  
South Lancaster, MA 01561  
800-316-8877 / 978-368-0131  
info@jamesmonroewire.com

[www.jamesmonroewire.com](http://www.jamesmonroewire.com)