



# JAMES MONROE

## WIRE & CABLE CORPORATION

# ELECTRICAL CRANE & HOIST CABLES



# 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.



# PVC - Flat Festoon Cable



UL / CSA Festoon Cable / 600V / 105°C / VW1 / FT1



## 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 FT1 Rated 105°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 (static)  
 -10°C to 70°C (dynamic)  
 AC Voltage Rating: 600V Peak  
 Bend Radius: 5x Cable Thickness

## Approvals:

(UL) Festoon 600V 105°C  
 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	No. of Conductors	Conductor Stranding	Insulation Thickness Inch (mm)	Dimensions Inches	Dimensions (mm)	Ampacity	Cable Wt lbs/Mft (Kg/Km)
<b>Four Conductors - Unshielded</b>								
JMC-452X04K-xxx	2/0	4	1330/30	0.082 x (2.08)	.783 x 2.712	19.9 x 68.9	245	2492 (3708)
JMC-450204K-xxx	2	4	665/30	0.062 x (1.57)	.558 x 1.959	14.2 x 49.8	148	1261 (1876)
JMC-450404K-xxx	4	4	413/30	0.062 x (1.57)	.486 x 1.656	12.3 x 42.1	111	870 (1295)
JMC-450604K-xxx	6	4	266/30	0.062 x (1.57)	.430 x 1.450	10.9 x 36.8	83	620 (923)
JMC-450804K-xxx	8	4	168/30	0.046 x (1.17)	.365 x 1.190	9.3 x 30.2	63	406 (603)
JMC-451004K-xxx	10	4	105/30	0.035 x (0.88)	.270 x .880	6.9 x 22.4	49	239 (356)
JMC-451204K-xxx	12	4	65/30	0.032 x (0.81)	.230 x .710	5.8 x 18.0	36	163 (243)
JMC-451404M-xxx	14	4	105/34	0.0385 x (0.98)	.240 x .690	6.1 x 17.5	31	138 (205)
JMC-451604M-xxx	16	4	65/34	0.031 x (0.79)	.200 x .590	5.1 x 15.0	10	95 (141)
<b>Five Conductors - Unshielded</b>								
JMC-450205K-BLK	2	5	665/30	0.062 x (1.57)	.558 x 2.470	14.2 x 2.470	148	1594 (2372)
JMC-450405K-BLK	4	5	413/30	0.062 x (1.57)	.486 x 1.656	12.3 x 42.1	111	1106 (1646)
JMC-450605K-BLK	6	5	266/30	0.062 x (1.57)	.430 x 1.810	10.9 x 46.0	83	780 (1161)
JMC-450805K-BLK	8	5	168/30	0.046 (1.17)	.365 x 1.480	9.3 x 37.6	63	510 (759)
JMC-451005K-BLK	10	5	105/30	0.035 (0.88)	.270 x 1.080	6.9 x 27.4	49	297 (442)
JMC-451205K-BLK	12	5	65/30	0.030 x 0.76	.219 x .845	5.6 x 21.5	36	195 (290)
<b>Sample print:</b> E465734 PVC JMC452X04K-YEL 105C 600V VW-1 (UL) Festoon Cable Outdoor 4/C 2/0 AWG --- LL41103 CSA Festoon Cable 105C 600V FT1 (-40C) *per 2014 NEC sec 610.14 (A) and 2015 CEC sec 40-002 for 30C ambient & 90C conductor temperature								

# PVC - Flat Festoon Cable



UL / CSA Festoon Cable / 600V / 105°C / VW1 / FT1



## 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 FT1 Rated 105°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 (static)  
 -10°C to 70°C (dynamic)  
 AC Voltage Rating: 600V Peak  
 Bend Radius: 5x Cable Thickness

## Approvals:

(UL) Festoon 600V 105°C  
 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	No. of Conductors	Conductor Stranding	Insulation Thickness Inch (mm)	Dimensions Inches	Dimensions (mm)	Ampacity	Cable Wt lbs/Mft (Kg/Km)
<b>Eight Conductors - Unshielded</b>								
JMC-451208K-xxx	12	8	65/30	0.032 (0.81)	.230 x 1.340	5.8 x 34.0	29	321 (478)
JMC-451408M-xxx	14	8	105/34	0.0385 (0.98)	.240 x 1.334	6.1 x 33.9	25	238 (399)
JMC-451608M-xxx	16	8	65/34	0.031 (0.79)	.200 x 1.110	5.1 x 28.2	8	185 (275)
<b>Twelve Conductors - Unshielded</b>								
JMC-451412M-xxx	14	12	105/34	0.0385 (0.98)	.240 x 1.950	6.1 x 49.5	22	408 (607)
JMC-451612M-xxx	16	12	65/34	0.031 (0.79)	.200 x 1.605	5.1 x 40.8	7	272 (405)
<b>Eight Conductors - Shielded</b>								
JMC-451608MSH-xxx	16	8	65/34	0.031 (0.79)	.270 x 1.450	6.9 x 36.8	8	320 (476)
<b>Twelve Conductors - Shielded</b>								
JMC-451412MSH-xxx	14	12	105/34	0.0385 (0.98)	.290 x 2.350	7.4 x 59.7	22	615 (915)
JMC-451612MSH-xxx	16	12	65/34	0.031 (0.79)	.270 x 2.100	6.9 x 53.3	7	471 (701)
<b>Sample print:</b> E465734 PVC JMC452X04K-YEL 105C 600V VW-1 (UL) Festoon Cable Outdoor 4/C 2/0 AWG --- LL41103 CSA Festoon Cable 105C 600V FT1 (-40C) *per 2014 NEC sec 610.14(A) and 2015 CEC sec 40-002 for 30C ambient & 90C conductor temperature								

# TPR - Flat Festoon Cable



UL / CSA Festoon Cable / 600V / 105 °C / VW1 / FT1



## 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  
 Suitable for Sub Zero operation  
 Flexible at low temperatures  
 Durable Oil Resistant Outer Jacket  
 (UL) VW-1 / CSA FT1 Rated 105 °C

## Construction:

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

## Technical Details:

Temperature Range: -80°C to 105°C (static)  
 -50°C to 70°C (dynamic)  
 AC Voltage Rating: 600V Peak  
 Bend Radius: 5x Cable Thickness

## Approvals:

(UL) Festoon 600V 105°C  
 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	No. of Conductor	Conductor Stranding	Insulation Thickness Inch (mm)	Dimensions Inches	Dimensions (mm)	Ampacity	Cable Wt lbs/Mft (Kg/Km)
<b>Four Conductors - Unshielded</b>								
JMC-452X04KAG	2/0	4	1330/30	0.082 (2.08)	0.783 x 2.712	19.9 x 68.9	245	2350 (3497)
JMC-450204KAG	2	4	665/30	0.062 (1.57)	0.558 x 1.959	14.2 x 49.8	148	1185 (1763)
JMC-450404KAG	4	4	413/30	0.062 (1.57)	0.486 x 1.656	12.3 x 42.1	111	808 (1202)
JMC-450604KAG	6	4	266/30	0.062 (1.57)	0.430 x 1.450	10.9 x 36.8	83	569 (847)
JMC-450804KAG	8	4	168/30	0.046 (1.17)	0.365 x 1.190	9.3 x 30.2	63	374 (557)
JMC-451004KAG	10	4	105/30	0.035 (0.88)	0.270 x 0.880	6.9 x 22.4	49	222 (330)
JMC-451204KAG	12	4	65/30	0.032 (0.81)	0.230 x 0.710	5.8 x 18.0	36	150 (223)
JMC-451404MAG	14	4	105/34	0.032 (0.81)	0.230 x 0.670	5.8 x 17.0	31	119 (177)
JMC-451604MAG	16	4	65/34	0.031 (0.79)	0.200 x 0.590	5.1 x 15.0	10	85 (126)
<b>Eight Conductors - Unshielded</b>								
JMC-451208KAG	12	8	65/30	0.032 (0.81)	0.230 x 1.340	5.8 x 34.0	29	296 (440)
JMC-451408MAG	14	8	105/34	0.032 (0.81)	0.230 x 1.250	5.8 x 31.8	25	232 (345)
JMC-451608MAG	16	8	65/34	0.031 (0.79)	.200 x 1.110	5.1 x 28.2	8	166 (247)
<b>Twelve Conductors - Unshielded</b>								
JMC-451412MAG	14	12	105/34	0.032 (0.81)	.230 x 1.810	5.8 x 46.0	22	341 (507)
JMC-451612MAG	16	12	65/34	0.031 (0.79)	.200 x 1.605	5.1 x 40.8	7	244 (363)
Sample print: E465734 PVC JMC452X04K-YEL 105C 600V VW-1 (UL) Festoon Cable Outdoor 4/C 2/0 AWG --- LL41103 CSA Festoon Cable 105C 600V FT1 (-40C) *per 2014 NEC sec 610.14 (A) and 2015 CEC sec 40-002 for 30C ambient & 90C conductor temperature								

# Pendant Cable

## Dual External Strain Relief

UL Pendant Cable / Type MTW / CSA AWM / 600V 105°C / VW1 / FT1

### Application:

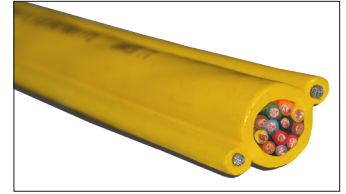
For use in Hoist and Pendant applications.  
 Rated for continuous use up to 105°C.

### 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: -40°C to 105°C (static)  
 -10°C to 70°C (dynamic)  
 AC Voltage Rating: 600V



### Approvals:

(UL) Pendant 600V 105°C; (UL) Type MTW; CSA AWM 600V 105°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-7611612	16	12	65/34	0.021 (0.53)	0.063 (1.60)	0.566 (14.38)	260 (387)
JMC-7611616	16	16	65/34	0.021 (0.53)	0.063 (1.60)	0.624 (15.85)	315 (469)
JMC-7611624	16	24	65/34	0.021 (0.53)	0.080 (2.03)	0.789 (20.04)	475 (707)
<b>Sample Print (Flat):</b> Pendant Cable (UL) E98199 8/C 16 AWG 105C 600V or TYPE MTW VW-1 --- CSA LL41103 AWM I/II A/B 105C 600V FT1							

## Steel Core Strain Relief

UL Type STOOW Cable / CSA STOOW / 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: -40°C to 105°C (static)  
 -10°C to 70°C (dynamic)  
 AC Voltage Rating: 600V



### Approvals:

(UL) STOOW 600V 105°C  
 CSA STOOW 105°C; FT1

### 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-7621603	16	3	65/34	0.032 (0.81)	0.065 (1.65)	0.514 (13.06)	100 (149)
JMC-7621605	16	5	65/34	0.032 (0.81)	0.085 (2.16)	0.554 (14.07)	173 (257)
JMC-7621607	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							

# Pendant Cable

Pendant Cable / UL Type MTW / CSA AWM / 600V 105°C / VW1 / FT1



## Application:

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

## Construction:

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



## Technical Details:

Temperature: -40°C to 105°C (static)  
 -10°C to 70°C (dynamic)  
 AC Voltage Rating: 600V

## Approvals:

(UL) Type MTW;  
 CSA AWM 600V 105°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>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 (Round):</b> Pendant Cable (UL) E98199 8/C 16 AWG 600V TYPE MTW VW-1 --- CSA LL41103 AWM I/II A/B 105C 600V FT1							

# Manufacturing Wire and Cable for over 40 Years.



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