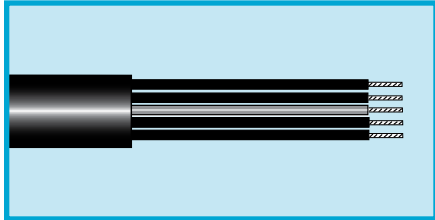


## Series XM Flexible Control Cable

Tough PVC Cable for High-Flex Cable Track Applications  
(12 Million Life Cycles)  
600/1000 V Unshielded, PVC/Nylon, PVC



Series XM Flexible Control Cable is the ideal choice for medium-to-high-flex applications of up to 12 million cycles. Featuring a premium-grade PVC jacket, Series XM offers a durable, oil-resistant construction that prevents contamination from hazardous fluids and protects against abrasion. Plus, its optimum flexibility and performance allows it to support a variety of industrial applications.

**UL TC-ER (600 V)**  
**UL WTTT (1000 V)**  
**UL MTW (600 V)**  
**CSA AWM I/II A/B FT4**  
**CE LVD 2006/95/EC**

### Operating Temperature

-30°C to +90°C (static)  
-5°C to +90°C (dynamic)

### Conductor Color Coding

- Black, blue, or red\* numbered conductors with one green/yellow ground conductor

### Materials

- Stranded bare copper conductors
- PVC/nylon insulation
- Black PVC jacket

### Features

- UL Oil Res. I
- UL Sunlight Resistant
- Suitable for NFPA 79 application

### Availability

Bulk, cut to length

### FIT® Tubing Recommendations

- FIT-600: Highly flexible cross-linked elastomer
- FIT-650: Chemical- and temperature-resistant fluoroelastomer

#### 18 AWG (0.83 mm²)

Stranding: 41/34 (41 x 0.16 mm)  
Insulation thickness: 0.016 (0.41 mm) PVC/0.005 (0.13 mm) nylon

Part No.			Conductors	Nominal Diameter		Jacket Thickness	
Red	Blue	Black		Inch	mm	Inch	mm
XM1803R	XM1803L	XM1803K	3	0.308	7.82	0.050	1.27
XM1804R	XM1804L	XM1804K	4	0.333	8.46	0.050	1.27
XM1805R	XM1805L	XM1805K	5	0.360	9.14	0.050	1.27
XM1807R	XM1807L	XM1807K	7	0.418	10.62	0.050	1.27
XM1812R	XM1812L	XM1812K	12	0.485	12.32	0.050	1.27
XM1817R	XM1817L	XM1817K	17	0.597	15.16	0.065	1.65
XM1822R	XM1822L	XM1822K	22	0.656	16.66	0.065	1.65
XM1825R	XM1825L	XM1825K	25	0.717	18.21	0.065	1.65
XM1834R	XM1834L	XM1834K	34	0.775	19.69	0.065	1.65
XM1842R	XM1842L	XM1842K	42	0.874	22.20	0.085	2.16
XM1849R	XM1849L	XM1849K	49	0.965	24.51	0.085	2.16
XM1865R	XM1865L	XM1865K	65	1.052	26.72	0.085	2.16

#### 16 AWG (1.31 mm²)

Stranding: 65/34 (65 x 0.16 mm)  
Insulation thickness: 0.016 (0.41 mm) PVC/0.005 (0.13 mm) nylon

Part No.			Conductors	Nominal Diameter		Jacket Thickness	
Red	Blue	Black		Inch	mm	Inch	mm
XM1603R	XM1603L	XM1603K	3	0.334	8.48	0.050	1.27
XM1604R	XM1604L	XM1604K	4	0.362	9.19	0.050	1.27
XM1605R	XM1605L	XM1605K	5	0.393	9.98	0.050	1.27
XM1607R	XM1607L	XM1607K	7	0.459	11.66	0.050	1.27
XM1612R	XM1612L	XM1612K	12	0.565	14.35	0.065	1.65
XM1617R	XM1617L	XM1617K	17	0.657	16.69	0.065	1.65
XM1619R	XM1619L	XM1619K	19	0.691	17.55	0.065	1.65
XM1622R	XM1622L	XM1622K	22	0.724	18.39	0.065	1.65
XM1625R	XM1625L	XM1625K	25	0.793	20.14	0.065	1.65
XM1633R	XM1633L	XM1633K	33	0.899	22.83	0.085	2.16
XM1642R	XM1642L	XM1642K	42	0.966	24.54	0.085	2.16
XM1649R	XM1649L	XM1649K	49	1.069	27.15	0.085	2.16
XM1665R	XM1665L	XM1665K	65	1.168	29.67	0.085	2.16

#### 14 AWG (2.11 mm²)

Stranding: 105/34 (105 x 0.16 mm)  
Insulation thickness: 0.016 (0.41 mm) PVC/0.005 (0.13 mm) nylon

Part No.			Conductors	Nominal Diameter		Jacket Thickness	
Red	Blue	Black		Inch	mm	Inch	mm
XM1403R	XM1403L	XM1403K	3	0.366	9.30	0.050	1.27
XM1404R	XM1404L	XM1404K	4	0.398	10.11	0.050	1.27
XM1405R	XM1405L	XM1405K	5	0.464	11.79	0.065	1.65
XM1407R	XM1407L	XM1407K	7	0.539	13.69	0.065	1.65
XM1412R	XM1412L	XM1412K	12	0.627	15.93	0.065	1.65

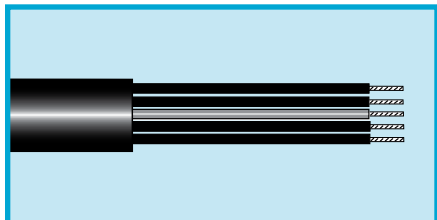
\*Red insulation: AC circuits operating at less than line voltage  
Blue insulation: DC circuits operating at less than line voltage  
Black insulation: AC circuits operating at less than line voltage



# Series XM Flexible Control Cable

Tough PVC Cable for High-Flex Cable Track Applications  
(12 Million Life Cycles)

600/1000 V Unshielded, PVC/Nylon, PVC



**UL TC-ER (600 V)**  
**UL WTTTC (1000 V)**  
**UL MTW (600 V)**  
**CSA AWM I/II A/B FT4**  
**CE LVD 2006/95/EC**

### Operating Temperature

- 30°C to +90°C (static)
- 5°C to +90°C (dynamic)

### Conductor Color Coding

- Black, blue, or red\* numbered conductors with one green/yellow ground conductor

### Materials

- Stranded bare copper conductors
- PVC/nylon insulation
- Black PVC jacket

### Features

- UL Oil Res. I
- UL Sunlight Resistant
- Suitable for NFPA 79 application

### Availability

Bulk, cut to length

### FIT® Tubing Recommendations

- FIT-600: Highly flexible cross-linked elastomer
- FIT-650: Chemical- and temperature-resistant fluoroelastomer

\*Red insulation: AC circuits operating at less than line voltage  
Blue insulation: DC circuits operating at less than line voltage  
Black insulation: AC circuits operating at less than line voltage

## 12 AWG (3.38 mm<sup>2</sup>)

Stranding 168/34 (168 x 0.16 mm)  
Insulation thickness: 0.016 (0.41 mm) PVC/0.005 (0.13 mm) nylon

Part No.			Conductors	Nominal Diameter		Jacket Thickness	
Red	Blue	Black		Inch	mm	Inch	mm
<b>XM1203R</b>	<b>XM1203L</b>	<b>XM1203K</b>	3	0.431	10.95	0.050	1.27
<b>XM1204R</b>	<b>XM1204L</b>	<b>XM1204K</b>	4	0.501	12.73	0.065	1.65
<b>XM1205R</b>	<b>XM1205L</b>	<b>XM1205K</b>	5	0.545	13.84	0.065	1.65
<b>XM1207R</b>	<b>XM1207L</b>	<b>XM1207K</b>	7	0.640	16.26	0.065	1.65

## 10 AWG (5.32 mm<sup>2</sup>)

Stranding: 105/30 (105 x 0.25 mm)  
Insulation thickness: 0.022 (0.56 mm) PVC/0.005 (0.13 mm) nylon

Part No.			Conductors	Nominal Diameter		Jacket Thickness	
Red	Blue	Black		Inch	mm	Inch	mm
<b>XM1003R</b>	<b>XM1003L</b>	<b>XM1003K</b>	3	0.487	12.37	0.050	1.27
<b>XM1004R</b>	<b>XM1004L</b>	<b>XM1004K</b>	4	0.565	14.35	0.065	1.65
<b>XM1005R</b>	<b>XM1005L</b>	<b>XM1005K</b>	5	0.618	15.70	0.065	1.65
<b>XM1007R</b>	<b>XM1007L</b>	<b>XM1007K</b>	7	0.729	18.52	0.065	1.65

## 8 AWG (8.51 mm<sup>2</sup>)

Stranding: 168/30 (168 x 0.25 mm)  
Insulation thickness: 0.032 (0.81 mm) PVC/0.006 (0.15 mm) nylon

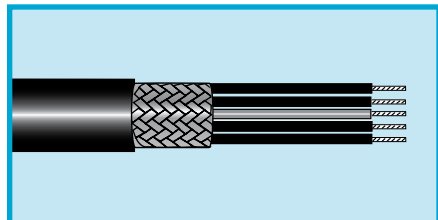
Part No.			Conductors	Nominal Diameter		Jacket Thickness	
Red	Blue	Black		Inch	mm	Inch	mm
<b>XM0803R</b>	<b>XM0803L</b>	<b>XM0803K</b>	3	0.671	17.04	0.065	1.65
<b>XM0804R</b>	<b>XM0804L</b>	<b>XM0804K</b>	4	0.737	18.72	0.065	1.65

## Series XM Flexible Control Cable

Tough PVC Cable for High-Flex Cable Track Applications

(12 Million Life Cycles)

600/1000 V Braid Shielded, PVC/Nylon, PVC



**UL TC-ER (600 V)**  
**UL WTTTC (1000 V)**  
**UL MTW (600 V)**  
**CSA AWM I/II A/B FT4**  
**CE LVD 2006/95/EC**

### Operating Temperature

-30°C to +90°C (static)  
 -5°C to +90°C (dynamic)

### Conductor Color Coding

- Black, blue, or red\* numbered conductors with one green/yellow ground conductor

### Materials

- Stranded bare copper conductors
- PVC/nylon insulation
- Tinned copper braid shield, 85% coverage
- Black PVC jacket

### Features

- UL Oil Res. I
- UL Sunlight Resistant
- Suitable for NFPA 79 application

### Availability

Bulk, cut to length

### FIT® Tubing Recommendations

- FIT-600: Highly flexible cross-linked elastomer
- FIT-650: Chemical- and temperature-resistant fluoroelastomer

\*Red insulation: AC circuits operating at less than line voltage  
 Blue insulation: DC circuits operating at less than line voltage  
 Black insulation: AC circuits operating at less than line voltage

### 18 AWG (0.83 mm<sup>2</sup>)

Stranding: 41/34 (41 x 0.16 mm)  
 Insulation thickness: 0.016 (0.41 mm) PVC/0.005 (0.13 mm) nylon

Part No.			Conductors	Nominal Diameter		Jacket Thickness	
Red	Blue	Black		Inch	mm	Inch	mm
XM1803RCY	XM1803LCY	XM1803KCY	3	0.336	8.53	0.050	1.27
XM1804RCY	XM1804LCY	XM1804KCY	4	0.361	9.17	0.050	1.27
XM1805RCY	XM1805LCY	XM1805KCY	5	0.388	9.86	0.050	1.27
XM1807RCY	XM1807LCY	XM1807KCY	7	0.446	11.33	0.050	1.27
XM1812RCY	XM1812LCY	XM1812KCY	12	0.549	13.94	0.050	1.27
XM1817RCY	XM1817LCY	XM1817KCY	17	0.631	16.03	0.065	1.65
XM1822RCY	XM1822LCY	XM1822KCY	22	0.697	17.70	0.065	1.65
XM1825RCY	XM1825LCY	XM1825KCY	25	0.758	19.25	0.065	1.65
XM1834RCY	XM1834LCY	XM1834KCY	34	0.856	21.74	0.065	1.65
XM1842RCY	XM1842LCY	XM1842KCY	42	0.915	23.24	0.085	2.16
XM1849RCY	XM1849LCY	XM1849KCY	49	1.006	25.55	0.085	2.16

### 16 AWG (1.31 mm<sup>2</sup>)

Stranding: 65/34 (65 x 0.16 mm)  
 Insulation thickness: 0.016 (0.41 mm) PVC/0.005 (0.13 mm) nylon

Part No.			Conductors	Nominal Diameter		Jacket Thickness	
Red	Blue	Black		Inch	mm	Inch	mm
XM1603RCY	XM1603LCY	XM1603KCY	3	0.362	9.19	0.050	1.27
XM1604RCY	XM1604LCY	XM1604KCY	4	0.390	9.91	0.050	1.27
XM1605RCY	XM1605LCY	XM1605KCY	5	0.421	10.69	0.050	1.27
XM1607RCY	XM1607LCY	XM1607KCY	7	0.517	13.13	0.050	1.27
XM1612RCY	XM1612LCY	XM1612KCY	12	0.599	15.21	0.065	1.65
XM1617RCY	XM1617LCY	XM1617KCY	17	0.698	17.73	0.065	1.65
XM1619RCY	XM1619LCY	XM1619KCY	19	0.732	18.59	0.065	1.65
XM1622RCY	XM1622LCY	XM1622KCY	22	0.765	19.43	0.065	1.65
XM1625RCY	XM1625LCY	XM1625KCY	25	0.874	22.20	0.065	1.65
XM1633RCY	XM1633LCY	XM1633KCY	33	0.940	23.88	0.085	2.16
XM1642RCY	XM1642LCY	XM1642KCY	42	1.007	25.58	0.085	2.16
XM1649RCY	XM1649LCY	XM1649KCY	49	1.110	28.19	0.085	2.16

### 14 AWG (2.11 mm<sup>2</sup>)

Stranding: 105/34 (105 x 0.16 mm)  
 Insulation thickness: 0.016 (0.41 mm) PVC/0.005 (0.13 mm) nylon

Part No.			Conductors	Nominal Diameter		Jacket Thickness	
Red	Blue	Black		Inch	mm	Inch	mm
XM1403RCY	XM1403LCY	XM1403KCY	3	0.394	10.01	0.050	1.27
XM1404RCY	XM1404LCY	XM1404KCY	4	0.426	10.82	0.050	1.27
XM1405RCY	XM1405LCY	XM1405KCY	5	0.492	12.50	0.065	1.65
XM1407RCY	XM1407LCY	XM1407KCY	7	0.573	14.55	0.065	1.65
XM1412RCY	XM1412LCY	XM1412KCY	12	0.661	16.79	0.065	1.65

