

Enduro**FLEX**[®] XM & CRXM

The Longest-Lasting Flexible Cables for Automation Systems

Robotics, automation equipment, packaging machinery and other repetitive-motion machinery destroy conventional cabling. Enduro**FLEX** cables are 300V and 600V dual-rated, non-paired industrial control cables built to withstand continuous bending and twisting motion.

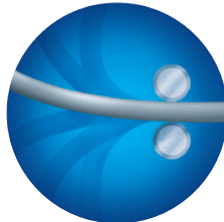
Custom Configurations and Composite Designs

Enduro**FLEX** cables can be custom configured to exceed specific application requirements.

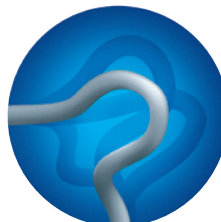
Reduce Costly Downtime and Maintenance

Enduro**FLEX** high-flex-life cables are proven to exceed 20 million bending, rolling and torsional-flex cycles on Northwire's standardized flex test protocol modes A and B.* It's the highest-performance flexible cable available today.

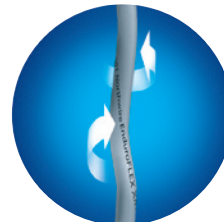
Stock cables ship the same day. Made-to-order cables ship fast, direct from the factory, in 15 days or less. No minimum order quantity or length requirements.



Bending Flex
Withstands a smaller bending radius in motion applications.



Variable Flex
Ideal for free-moving apparatus.



Torsional Flex
Endures twisting, pulling or tension stressing, combined with bending and/or roll-flexing.



Rolling Flex
For cable track systems where the jacket material is exposed to constant friction.

Enduro**FLEX** XM Cable

- Economical design
- TPE outer jacket with excellent oil and abrasion resistance
- Withstands welding slag and intense UV light
- Temperature rated from -40°C to 105°C

Enduro**FLEX** CRXM Cable

- Performance-enhanced version of Enduro**FLEX** XM
- Designed for extremely demanding environments
- TPU outer jacket is highly resistant to cuts, abrasion, oil, solvents and chemicals
- Temperature rated from -60°C to 90°C

*Go to www.northwire.com/flex for more information.



EnduroFLEX® XM & CRXM Cable Specifications

Part Number	AWG	No. of Conductors	Overall O.D. inches (mm)	Insulated Conductor Nominal O.D. inches (mm)	Stranding	Insulation Nominal Thickness inches (mm)
Northwire EnduroFLEX XM – Gray TPE Jacket						
FXM263-001	26	3	0.155"(3.937)	0.037"(0.939)	19	0.008"(0.203)
FXM264-001	26	4	0.165"(4.191)	0.037"(0.939)	19	0.008"(0.203)
FXM243-001	24	3	0.165"(4.191)	0.043"(1.092)	19	0.008"(0.203)
FXM244-001	24	4	0.165"(4.191)	0.043"(1.092)	19	0.008"(0.203)
FXM246-001	24	6	0.205"(5.207)	0.043"(1.092)	19	0.008"(0.203)
FXM248-001	24	8	0.220"(5.588)	0.043"(1.092)	19	0.008"(0.203)
FXM224-001	22	4	0.190"(4.826)	0.047"(1.193)	19	0.008"(0.203)
FXM225-001	22	5	0.200"(5.080)	0.047"(1.193)	19	0.008"(0.203)
FXM226-001	22	6	0.215"(5.461)	0.047"(1.193)	19	0.008"(0.203)
FXM228-001	22	8	0.235"(5.969)	0.047"(1.193)	19	0.008"(0.203)
FXM202-001	20	2	0.185"(4.699)	0.054"(1.371)	19	0.008"(0.203)
FXM203-001	20	3	0.190"(4.826)	0.054"(1.371)	19	0.008"(0.203)
FXM204-001	20	4	0.205"(5.207)	0.054"(1.371)	19	0.008"(0.203)
FXM205-001	20	5	0.220"(5.588)	0.054"(1.371)	19	0.008"(0.203)
FXM206-001	20	6	0.240"(6.096)	0.054"(1.371)	19	0.008"(0.203)
FXM208-001	20	8	0.255"(6.477)	0.054"(1.371)	19	0.008"(0.203)
FXM2012-001	20	12	0.300"(7.620)	0.054"(1.371)	19	0.008"(0.203)
FXM2016-001	20	16	0.340"(8.636)	0.054"(1.371)	19	0.008"(0.203)
FXM2025-001	20	25	0.420"(10.668)	0.054"(1.371)	19	0.008"(0.203)
FXM182-001	18	2	0.215"(5.461)	0.070"(1.778)	19	0.010"(0.254)
FXM183-001	18	3	0.220"(5.588)	0.070"(1.778)	19	0.010"(0.254)
FXM184-001	18	4	0.245"(6.223)	0.070"(1.778)	19	0.010"(0.254)
FXM185-001	18	5	0.260"(6.604)	0.070"(1.778)	19	0.010"(0.254)
FXM186-001	18	6	0.285"(7.239)	0.070"(1.778)	19	0.010"(0.254)
FXM188-001	18	8	0.320"(8.128)	0.070"(1.778)	19	0.010"(0.254)
FXM1812-001	18	12	0.375"(9.525)	0.070"(1.778)	19	0.010"(0.254)
FXM1816-001	18	16	0.425"(10.795)	0.070"(1.778)	19	0.010"(0.254)
FXM1819-001	18	19	0.455"(11.557)	0.070"(1.778)	19	0.010"(0.254)
FXM1825-001	18	25	0.535"(13.589)	0.070"(1.778)	19	0.010"(0.254)



XM

GENERAL SPECIFICATIONS

CONDUCTOR

Material: Tinned copper
Insulation: Polyester elastomer
Colors: Multicolor, Euro DC per DIN 47100

CABLE CONSTRUCTION

Low-Friction Separator: Yes

OUTER JACKET

EnduroFLEX XM: TPE; Gray
EnduroFLEX CRXM: TPU; Black

RESISTANCE

EnduroFLEX XM: Sunlight, oil, weld-slag, water and abrasion resistant
EnduroFLEX CRXM: More resistant to cold, sunlight, oil, weld-slag, water cut and abrasion

TEMPERATURE RANGE PER UL

EnduroFLEX XM: -40°C to 105°C
EnduroFLEX CRXM: -60°C to 90°C

RECOMMENDED BEND RADIUS

Continuous flex: 10 x nominal O.D.
Stationary: 5 x O.D.

STANDARDS AND COMPLIANCE

EnduroFLEX XM: NEC(UL), AWM 21002; CSA AWM I/II A/B 105°C; CSA FT-1; Non-Plenum
EnduroFLEX CRXM: NEC(UL), AWM 20626; CSA AWM I/II A/B 80°C; CSA FT-1; Non-Plenum

Part Number	AWG	No. of Conductors	Overall O.D. inches (mm)	Insulated Conductor Nominal O.D. inches (mm)	Stranding	Insulation Nominal Thickness inches (mm)
Northwire EnduroFLEX CRXM – High Performance Black TRU Jacket						
FXM263-002	26	3	0.155"(3.937)	0.037"(0.939)	19	0.008"(0.203)
FXM264-002	26	4	0.165"(4.191)	0.037"(0.939)	19	0.008"(0.203)
FXM243-002	24	3	0.165"(4.191)	0.043"(1.092)	19	0.008"(0.203)
FXM244-002	24	4	0.180"(4.572)	0.043"(1.092)	19	0.008"(0.203)
FXM246-002	24	6	0.205"(5.207)	0.043"(1.092)	19	0.008"(0.203)
FXM248-002	24	8	0.220"(5.588)	0.043"(1.092)	19	0.008"(0.203)
FXM224-002	22	4	0.190"(4.826)	0.047"(1.193)	19	0.008"(0.203)
FXM225-002	22	5	0.200"(5.080)	0.047"(1.193)	19	0.008"(0.203)
FXM226-002	22	6	0.215"(5.461)	0.047"(1.193)	19	0.008"(0.203)
FXM228-002	22	8	0.235"(5.969)	0.047"(1.193)	19	0.008"(0.203)
FXM202-002	20	2	0.185"(4.699)	0.054"(1.371)	19	0.008"(0.203)
FXM203-002	20	3	0.190"(4.826)	0.054"(1.371)	19	0.008"(0.203)
FXM204-002	20	4	0.205"(5.207)	0.054"(1.371)	19	0.008"(0.203)
FXM205-002	20	5	0.220"(5.588)	0.054"(1.371)	19	0.008"(0.203)
FXM206-002	20	6	0.240"(6.096)	0.054"(1.371)	19	0.008"(0.203)
FXM208-002	20	8	0.255"(6.477)	0.054"(1.371)	19	0.008"(0.203)
FXM2012-002	20	12	0.300"(7.620)	0.054"(1.371)	19	0.008"(0.203)
FXM2016-002	20	16	0.330"(8.382)	0.054"(1.371)	19	0.008"(0.203)
FXM2025-001	20	25	0.400"(10.160)	0.054"(1.371)	19	0.008"(0.203)
FXM182-002	18	2	0.215"(5.461)	0.070"(1.778)	19	0.010"(0.254)
FXM183-002	18	3	0.220"(5.588)	0.070"(1.778)	19	0.010"(0.254)
FXM184-002	18	4	0.245"(6.223)	0.070"(1.778)	19	0.010"(0.254)
FXM185-002	18	5	0.260"(6.604)	0.070"(1.778)	19	0.010"(0.254)
FXM186-002	18	6	0.285"(7.239)	0.070"(1.778)	19	0.010"(0.254)
FXM188-002	18	8	0.310"(7.874)	0.070"(1.778)	19	0.010"(0.254)
FXM1812-002	18	12	0.365"(9.271)	0.070"(1.778)	19	0.010"(0.254)
FXM1816-002	18	16	0.405"(10.287)	0.070"(1.778)	19	0.010"(0.254)
FXM1819-002	18	19	0.425"(10.795)	0.070"(1.778)	19	0.010"(0.254)
FXM1825-002	18	25	0.495"(12.573)	0.070"(1.778)	19	0.010"(0.254)



CRXM



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