

### **MOTIONFLEX®** Series Cable



#### **Features**

- Flexible fine wire stranded tinned copper conductors for improved electrical characteristics and reduced oxidation
- · Black with white numbers and one green/yellow ground
- Thermoset XLPE insulation type XHHW-2, Wet/Dry
- Shielded with tinned copper braid with 85% optical coverage
- Type XHHW-2 insulation offering smaller ODs for general VFD applications
- TC-ER for use with cable trays without conduit, which can reduce installation costs in industrial environments
- Sunlight resistant
- Direct burial
- Talc and silicone free
- Oil resistant jacket
- Black jacket similar to RAL 9005
- Cut to length in 1 foot increments
- Minimum cut lengths as low as 10 feet\*
- Made in USA

LUTZE MOTIONFLEX<sup>®</sup> is ideal for use with any Variable Frequency Drive and motor combination for the continuous motion applications. Designed for torisional, linear motion and cable tray applications. AutomationDirect is proud to offer the full line of MOTIONFLEX<sup>®</sup> cable from 18AWG up to 8AWG. This cable is available in bulk lengths starting as low as 10 feet up to over 1000 feet on most part numbers.

MOTIONFLEX<sup>®</sup> is rated Tray Cable- Exposed Run (TC-ER) meaning that it can be used with or without conduit, making the installations more cost effective by reducing the cost of labor and materials.

The XHHW-2 jacket is oil and sunlight resistant and suitable for dry, damp, wet, and direct burial locations.

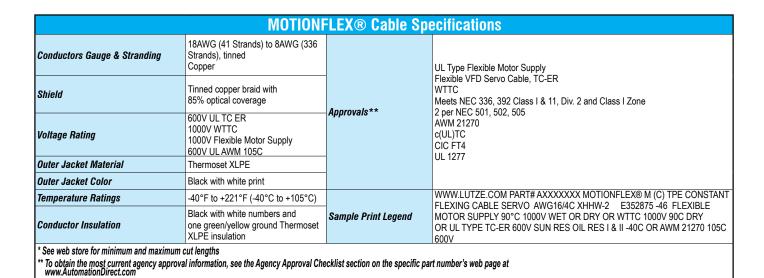
Carrying multiple approvals and ratings, LUTZE MOTIONFLEX<sup>®</sup> cable can be used for most all motion drive and motor application.



Please Note: Our prices on Servo Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase ifmarket conditions warrant.

# Monday Minute Cut To Length Wire

Click on the above thumbnail or go to https://www.automationdirect.com/VID-WD-0016 for a short introduction on our cut to length cable



1-800-633-0405



# **MOTIONFLEX®** Series Cable

					MO	TION	<b>FLEX</b> (		Sele	ction						
	Number of Conductors (includes ground)	AWG Conductor DD inches	ches	Strand	Power Conductors (AWG)	(5	Minimum Cut Length (ft)	Nom. Insulation Thickness PVC/Nylon (mils)	Nominal Jacket Thickness (mils)	Nominal OD inches	*Ampacity NEC 310.16 Amps		Min. Bend Radius inches		eight	ot
Part Number			Conductor OD in			Ground (AWG)					75°C	90°C	Fixed	Moving	Approximate Weight (Ib/ft)	Price per foot
LOTZE HOTIONFLEX" HTPE																
<u>A4061804-1</u>	4	18	0.103	41/34	18	18	20	32	32	0.38	7	14	2.28	4.56	40	\$4.66
		1	.OTZE NOT	IONFLEX*	NTPE					Three 3	-	-				
<u>A4061604-1</u>	4	16	0.12	65/34	16	16	20	32	32	0.425	10	18	2.55	5.1	55	\$5.14
			LÜTZE NOT	IONFLEX	NTPE					Three 3	fwg z	-				
<u>A4061404-1</u>	4	14	0.131	104/34	14	14	20	32	32	0.45	20	25	2.7	5.4	76	\$5.73
		L	ITZE MOTIC	ONFLEX N	TPE			and a sub-tra		Three 3	Tw0.2					
<u>A4061204-1</u>	4	12	0.167	168/34	12	12	20	32	32	0.535	25	30	3.21	6.42	115	\$7.38
		1	LOTZE NO	TIONFLEX	* NTPE					Three 3	1802	-				
<u>A4061004-1</u>	4	10	0.192	259/34	10	10	20	32	32	0.625	35	40	3.75	7.5	165	\$9.70
		l	OTZE MOTI	ONFLEX*	NTPE					Three 3	Fwo z	-				
<u>A4060804-1</u>	4	8	0.254	336/34	8	8	20	46	46	0.775	50	55	4.65	9.3	259	\$14.94

\* Ampacity based on NFPA 79 12.5.1 Conductor Ampacity Based on Copper Conductors



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## **MOTIONFLEX®** Series Cable

MOTIONFLEX® Cable Specifications Continued									
Part Number	Nom. Capacitance Conductor to Shield (pF/ft.)	Nom. Capacitance Conductor to Conductor (pF/ft.)	Nom. Conductor DC Resistance @ 20°C (Ohm/1000 ft.)	Nominal Outer Shield DC Resistance @ 20°C (Ohm/1000 ft.)	Impedance (ohms)	Max. Operating Voltage - UL			
<u>A4061804-1</u>	32.99	17.72	6.71	5.067	89.55	1000V			
<u>A4061604-1</u>	36.94	19.03	4.23	3.092	73.6	1000V			
<u>A4061404-1</u>	46.58	21.76	2.62	3.165	66.0	1000V			
<u>A4061204-1</u>	57.99	24.41	1.7	2.345	51.7	1000V			
<u>A4061004-1</u>	69.27	26.65	1.1	2.11	45.7	1000V			
<u>A4060804-1</u>	59.93	24.81	0.7	1.853	49.1	1000V			





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