

OLFLEX®-SERVO-FD 750 P

Continuous Flex Composite Power Supply and Feedback Cable



OLFLEX®-SERVO-FD 750 P is a continuous flex power supply and feedback cable which has been designed for automated servo systems. This composite cable offers a unique combination of signal and power conductors, under one jacket, while reducing weight and saving space.

The special design makes OLFLEX®-SERVO-FD 750 P ideally suited for automated applications, such as cable tracks, automated handling equipment, pick-and-place units, gantry robots, machine tools, and other continuous movement applications.

OLFLEX®-SERVO-FD 750 P Construction:

Finely stranded bare copper conductors; pairs are insulated with special elastomeric material; power conductors insulated with PVC; pairs shielded with aluminum foil and tinned copper shield; specially formulated gray polyurethane jacket.



Cable Attributes							
	OR-05		FR-02		CF-01		MP-01

Technical Data:

	Minimum Bending Radius for continuous flexing:	12 x cable diameter		Conductor Stranding:	Extra fine wire, VDE 0295, Class 6 (from 20 AWG to 4 AWG)
	Temperature Range: for flexing:	-10°C to +70°C		Color Code:	Black conductors with white numbers, plus green/yellow ground
	for static:	-40°C to +70°C		Pairs: up to 20 AWG	Black with white numbers
				Pairs: 22 AWG	White/Brown and Green/Yellow
	Nominal Voltage: Supply Conductors:	600/1000V		Conforms to CE Low Voltage Directive	
	Test Voltage:	Power: 4000V Signal: 750V			

Part Number	Power Conductors	Plus	Signal Pairs, Individually Shielded	Nominal Outer Diameter		Approx. Weight	
				inches	mm	lbs/mft	kg/km
36240	18 AWG/ 4c	+	22 AWG/ 2 pr	.378	9.6	71	106
36245	16 AWG/ 4c	+	18 AWG/ 2 pr	.480	12.2	124	185
36250	14 AWG/4c	+	18 AWG/ 2 pr	.610	15.5	207	308
36251	12 AWG/ 4c	+	18 AWG/ 1 pr & 17 AWG/ 1pr	.669	17.0	282	420
36252	10 AWG/ 4c	+	18 AWG/ 1 pr & 17 AWG/ 1pr	.764	19.4	370	550
36253	8 AWG/ 4c	+	18 AWG/ 1 pr & 17 AWG/ 1pr	.906	23.0	540	804
36254	6 AWG/4c	+	17 AWG/ 2 pr	1.024	26.0	771	1148
36255	4 AWG/ 4c	+	16 AWG/ 2 pr	1.189	30.2	1097	1633

OLFLEX®-SERVO-FD 750 CP

UL/CSA Approved Shielded Continuous Flex
Composite Power Supply and Feedback Cable



OLFLEX®-SERVO-FD 750 CP is a UL/CSA approved, overall shielded continuous flex power supply and feedback cable which has been designed for automated servo systems. This composite cable offers a unique combination of signal and power conductors, under one jacket, while reducing weight and saving space.

tracks, automated handling equipment, pick-and-place units, gantry robots, machine tools, and other continuous movement applications.

An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

The special design makes OLFLEX®-SERVO-FD 750 CP ideally suited for automated applications, such as cable

OLFLEX®-SERVO-FD 750 CP Construction:

Finely stranded bare copper conductors; pairs are insulated with special PVC; power conductors insulated with PVC; pairs shielded with aluminum foil and tinned copper shield, plus overall tinned copper braid (85% coverage); specially formulated orange polyurethane jacket.



Cable Attributes							
	OR-05		FR-02		CF-01		MP-05

Technical Data:

	Minimum Bending Radius for continuous flexing:	12 x cable diameter		Conductor Stranding:	Extra fine wire
	Temperature Range: for flexing: for static:	-10°C to +80°C -30°C to +80°C		Color Code:	Black conductors with white numbers, plus green/yellow ground
	Nominal Voltage: supply conductors	600V		Approvals:	UL-AWM CSA-AWM II A/B FT1
	Test Voltage:	Power: 4000V Signal: 750V			Conforms to CE Low Voltage Directive

Part Number	Power Conductors	Plus	Signal Pairs, Individually Shielded	Nominal Outer Diameter		Approx. Weight	
				inches	mm	lbs/mft	kg/km
36322UL	16 AWG/ 4c	+	17 AWG/ 2 pr	.591	15.0	225	335
36323UL	14 AWG/4c	+	17 AWG/ 2 pr	.650	16.5	275	410
36324UL	12 AWG/ 4c	+	16 AWG/ 2 pr	.756	19.2	413	615
36325UL	10 AWG/ 4c	+	16 AWG/ 2 pr	.807	20.5	470	700
36326UL	8 AWG/ 4c	+	16 AWG/ 2 pr	.925	23.5	688	1025
36327UL	6 AWG/4c	+	16 AWG/ 2 pr	1.043	26.5	889	1325
36328UL	4 AWG/ 4c	+	16 AWG/ 2 pr	1.122	28.5	1265	1885