


OLFLEX®-SERVO-FD 755 CP

Shielded Halogen Free Ultra Flexible Continuous Flex Servo Cable

Power Supply and Feedback Cable for Small Bend Radius Applications 

OLFLEX®-SERVO FD 755 CP is a halogen free, 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.

The special design makes OLFLEX®-SERVO-FD 755 CP ideally suited for small bend radius applications, such as





cable 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.







OLFLEX®-SERVO-FD 755 P Construction:

Finely stranded bare copper conductors; pairs and power conductors are insulated with special elastomeric compounds; pairs shielded with aluminum foil and tinned copper shield; overall non-woven material covering pairs and conductors; overall tinned copper braid (85% coverage); non-woven material wrapping over the braid; specially formulated gray polyurethane outer jacket.



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

Technical Data:

	Minimum Bending Radius for continuous flexing:	7.5 x cable diameter		Conductor Stranding:	Extra fine wire, VDE 0295, Class 6
	Temperature Range:	-40°C to +80°C		Color Code:	Black conductors with white numbers, plus green/yellow ground
	Nominal Voltage:	600/1000V			Conforms to CE Low Voltage Directive
	Test Voltage:	Power: 4000V Shield: 750V			

Four Power Conductors and One Signal Pair

Part Number	Power Conductors	Plus	Signal Pairs, Individually Shielded	Nominal Outer Diameter		Approx. Weight	
				inches	mm	lbs/mft	kg/km
36370	16 AWG/ 4c	+	17 AWG/ 1 pr	.516	13.1	154	229
36371	14 AWG/ 4c	+	17 AWG/ 1 pr	.555	14.1	194	289
36372	12 AWG/ 4c	+	17 AWG/ 1 pr	.638	16.2	256	381
36373	10 AWG/ 4c	+	17 AWG/ 1 pr	.685	17.4	315	468
36374	8 AWG/ 4c	+	17 AWG/ 1 pr	.846	21.5	499	743
36375	6 AWG/ 4c	+	16 AWG/ 1 pr	.961	24.4	744	1107

Four Power Conductors and Two Signal Pairs

Part Number	Power Conductors	Plus	Signal Pairs, Individually Shielded	Nominal Outer Diameter		Approx. Weight	
				inches	mm	lbs/mft	kg/km
36360	16 AWG/ 4c	+	18 AWG/ 2 pr	.622	15.8	181	270
36361	14 AWG/ 4c	+	18 AWG/ 2 pr	.630	16.0	212	316
36362	12 AWG/ 4c	+	18 AWG/ 1 pr & 17 AWG/ 1pr	.685	17.4	285	424
36363	10 AWG/ 4c	+	18 AWG/ 1 pr & 17 AWG/ 1pr	.752	19.1	363	540
36364	8 AWG/ 4c	+	18 AWG/ 1 pr & 17 AWG/ 1pr	.886	22.5	522	776
36365	6 AWG/ 4c	+	17 AWG/ 2 pr	.984	25.0	754	1122
36366	4 AWG/ 4c	+	16 AWG/ 2 pr	1.169	29.7	1122	1670