

OLFLEX® SERVO FD 755 CP



Shielded, Halogen-Free, Ultra Flexible Continuous Flex Servo Cable with Power Supply and Feedback for Small Bend Radius Applications

OLFLEX® SERVO FD 755 CP is a halogen-free, shielded continuous flex servo cable with power and feedback pair(s) designed for automated servo systems.

Recommended Applications:

Motor connections for Servo Motors, Automation Equipment, Machine Tool, Food & Beverage, Automotive, Paper Industry and Packaging Industry

Application Advantage:

- Designed for smaller bend radius flexing applications
- Halogen-free cable
- Comes with 1 or 2 shielded pair(s) and overall shield for excellent EMI/RFI protection
- Flexible at -40°C
- Flexing travel distance up to 328 feet
- PUR jacket for optimal oil and abrasion resistance

OLFLEX® SERVO FD 755 CP 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, See Page 653

	Oil Resistance: OR-05		Flame Resistance: FR-02
	Motion Type: CF-01		Mechanical Properties: MP-05

Availability:

Standard put-ups are 164ft, 328ft, 1640ft, and 3280ft. Bulk reels can be cut to length.

Complete the installation with:

	SKINTOP® Strain Relief: Page 486		EPIC® Connectors: Page 251
	OLFLEX® Tubing: Page 546		EPIC® CIRCON: Page 406

Technical Data:

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|--|--|------------------------------|--|----------------------|---|
| | Minimum Bending Radius for continuous flexing: | 7.5 x cable diameter | | Conductor Stranding: | Extra fine wire, VDE 0295, Class 6/ IEC 60228 Cl.6, control pairs fine wire from 0.5mm ² |
| | Temperature Range: | | | Color Code: | Black conductors with white numbers, plus green/yellow ground |
| | Nominal Voltage: | 600/1000V | | | |
| | Test Voltage: | Power: 4000V
Signal: 750V | | | |

Four Power Conductors and One Signal Pair

Part Number	Power Conductors	Plus	Signal Pairs, Individually Shielded	Nominal Outer Diameter		Copper Weight lbs/mft	Approx. Weight	
				inches	mm		lbs/mft	kg/km
0036370	16 AWG/ 4c	+	17 AWG/ 1pr	.516	13.1	88	154	229
0036371	14 AWG/ 4c	+	17 AWG/ 1pr	.559	14.2	118	194	289
0036372	12 AWG/ 4c	+	17 AWG/ 1pr	.638	16.2	160	256	381
0036373	10 AWG/ 4c	+	17 AWG/ 1pr	.685	17.4	214	315	468
0036374	8 AWG/ 4c	+	17 AWG/ 1pr	.886	22.5	344	499	743
0036375	6 AWG/ 4c	+	16 AWG/ 1pr	.961	24.4	546	744	1107

Four Power Conductors and Two Signal Pairs

Part Number	Power Conductors	Plus	Signal Pairs, Individually Shielded	Nominal Outer Diameter		Copper Weight lbs/mft	Approx. Weight	
				inches	mm		lbs/mft	kg/km
0036360	16 AWG/ 4c	+	18 AWG/ 2pr	.622	15.8	101	181	270
0036361	14 AWG/ 4c	+	18 AWG/ 2pr	.630	16.0	128	212	316
0036362	12 AWG/ 4c	+	18 AWG/ 1pr & 17 AWG/ 1pr	.685	17.4	179	285	424
0036363	10 AWG/ 4c	+	18 AWG/ 1pr & 17 AWG/ 1pr	.752	19.1	249	363	540
0036364	8 AWG/ 4c	+	18 AWG/ 1pr & 17 AWG/ 1pr	.886	22.5	361	522	776
0036365	6 AWG/ 4c	+	17 AWG/ 2pr	.984	25.0	554	754	1122
0036366	4 AWG/ 4c	+	16 AWG/ 2pr	1.169	29.7	845	1122	1670