

## ÖLFLEX® SERVO 9YSLCY-JB

Flexible low capacitance, double-shielded, large-gauge motor cable for servo & VFD applications



ÖLFLEX® SERVO 9YSLCY-JB is a highly flexible power cable for large horsepower motors and VFD drives. It has a double shield with polypropylene-insulated conductors for optimal low-loss power transmission when compared to PVC.

### Recommended applications

Motor connections for large motors and drives; textile; paper; chemical; machine tool; heavy industry; conveying technology

### Approvals



Cable attributes		page 648	
OIL	OR-01	FLAME	FR-02
MOTION	FL-01	MECH.	MP-02

### Construction

**Conductors:** finely stranded bare copper

**Insulation:** polypropylene

**Shielding:** overall foil and tinned copper braid

**Jacket:** PVC; transparent or black

### Application advantage

- Flexible for easier routing
- UL & CSA AWM approved
- Black-jacketed version: 3 symmetrical grounds for improved EMC performance

### Complete the installation



SKINTOP®  
MS-M BRUSH  
page 524



EPIC®  
ULTRA HB  
page 404

### Technical data

**Minimum bend radius:** 4 x cable diameter

**Temperature range:**  
 - for stationary use (UL/CSA): -40°C to +80°C  
 - for flexible use (UL/CSA): -5°C to +80°C

**Nominal voltage:** 1000V

**Test voltage:** 4000V

**Conductor stranding:** Class 5 fine wire

**Color code:** VDE 0293-308: chart 6, page 681  
black, brown, gray,  
plus 1 or 3 green/yellow ground(s)

**Approvals:**  
 UL: AWM 2570  
 Attributes: VW-1  
 NFPA 79  
 Canada: cRU AWM I/II A/B 1000V FT1  
 Additional: based on VDE 0276, 0250, 0207  
 CE & RoHS

three power conductors + one ground, transparent jacket

Part number	Size of ground	Nominal outer diameter in	Nominal outer diameter mm	Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-M BRUSH metric thread
<b>1 AWG (50 mm²)</b>						
0037008	1 AWG	1.344	34.1	1482	1982	53112679
<b>2/0 AWG (70 mm²)</b>						
0037009	2/0 AWG	1.611	40.9	2017	2654	53112680
<b>3/0 AWG (95 mm²)</b>						
0037010	3/0 AWG	1.789	45.4	2691	3562	53112681
<b>4/0 AWG (120 mm²)</b>						
0037011	4/0 AWG	1.962	49.8	3433	4435	53112681
<b>250 KCMIL (150 mm²)</b>						
0037012	250 KCMIL	2.210	56.1	4183	4733	53112501
<b>350 KCMIL (185 mm²)</b>						
0037013	350 KCMIL	2.419	61.4	5086	5634	53112501
<b>450 KCMIL (240 mm²)</b>						
0037014	450 KCMIL	2.675	68.0	6680	8165	53112503

three power conductors + three grounds, black jacket

Part number	Size of ground	Nominal outer diameter in	Nominal outer diameter mm	Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-M BRUSH metric thread
<b>1 AWG (50 mm²)</b>						
0037023	8 AWG	1.225	31.1	1449	1612	53112679
<b>2/0 AWG (70 mm²)</b>						
0037024	8 AWG	1.462	37.1	2003	2054	53112680
<b>3/0 AWG (95 mm²)</b>						
0037025	6 AWG	1.576	40.0	2656	2797	53112680
<b>4/0 AWG (120 mm²)</b>						
0037026	6 AWG	1.678	42.6	3250	3410	53112680
<b>250 KCMIL (150 mm²)</b>						
0037027	4 AWG	1.970	50.0	3637	4118	53112681
<b>350 KCMIL (185 mm²)</b>						
0037028	2 AWG	2.191	55.6	4756	5255	53112501

If not otherwise specified, all values relating to the product are nominal values. Photographs are not to scale and are not true representations of the products in question.