

TKFF390 shielded small diameter servo motor and VFD cable to supply power to 3 phase AC motors. These cables include several different conductor configurations for a broad range of servo motors. These cables are suitable for trailing applications in drag chain including machine tools, CNC equipment, material handling, packaging machinery, aerial lifts, boom extensions, and many more.

Our specially formulated insulation material offers low capacitance for efficient energy transfer, very high insulation break through resistance and low friction for optimal flexing. The extra robust Polyurethane jacket is designed to withstand harsh industrial environments and is resistant to washdown. The cable is halogen free.



Technical data			
Conductor:	bare copper IEC 60228 class 6	Jacket:	Polyurethane 11Y
Insulation:	Polyolefin	Bending radius:	5x OD static, 7.5 OD Dynamic
Identification:	Black & numbered + YE/GN 1 pair: black, white. 2 pair: numbered 5, 6 and 7, 8	Temperature range:	-40 °C to + 90 °C
Shield:	Tinned copper braid ≥ 85%	Jacket Color:	Orange

Part#	Conductor configuration	OD [mm]	OD "	Min radius - Dynamic [mm]	Weight [kg/km]
4-Conductor VFD and Servo Applications - AWM 21209 UL 90°C 1000V – CSA AWM I/II A/B 90°C 1000V					
540TKFF39001	(4G1.0)/4C AWG18	7.6	0.299	57	92
545TKFF39001	(4G1.5)/4C AWG16	8.7	0.343	65.3	131
555TKFF39001	(4G2.5)/4C AWG14	10.8	0.425	81	198
565TKFF39001	(4G4)/4C AWG12	12.2	0.480	91.5	276
570TKFF39001	(4G6)/4C AWG10	14	0.551	105	376
580TKFF39001	(4G10)/4C AWG8	17.6	0.693	132	567
585TKFF39001	(4G16)/4C AWG6	21.2	0.835	159	885
4-Conductor + 1 TSP VFD and Servo Applications - AWM 21209 UL 90°C 1000V – CSA AWM I/II A/B 90°C 1000V					
540TKFF39002	(4G1+(2x0.5))/4C AWG18 + 1TSP AWG21	9.6	0.378	72	137
545TKFF39016	(4G1.5+(2x1.5))/4C AWG16 + 1TSP AWG16	11.6	0.457	87	221
555TKFF39009	(4G2.5+(2x1.5))/4C AWG14 + 1TSP AWG16	13	0.512	97.5	264
565TKFF39004	(4G4+(2x1.5))/4C AWG12 + 1TSP AWG16	14.7	0.579	110.3	315
570TKFF39002	(4G6+(2x1.5))/4C AWG10 + 1TSP AWG16	16.2	0.638	121.5	480
580TKFF39002	(4G10+(2x1.5))/4C AWG8 + 1TSP AWG16	19.7	0.776	147.8	774
585TKFF39002	(4G16+(2x1.5))/4C AWG6 + 1TSP AWG16	23.6	0.929	177	1043
4-Conductor + 2 TSP VFD and Servo Applications - AWM 21209 UL 90°C 1000V – CSA AWM I/II A/B 90°C 1000V					
540TKFF39003	(4G1+2x(2x0.75)) 4C AWG18 + 2TSP AWG19	12.2	0.480	91.5	216
545TKFF39003	(4G1.5+2x(2x0.75)) 4C AWG16 + 2TSP AWG19	12.8	0.504	96	259
555TKFF39012	(4G2.5+2x(2x1)) 4C AWG14 + 2TSP AWG18	14.2	0.559	106.5	320
565TKFF39003	(4G4+(2x1)+(2x1.5)) 4C AWG12 + 1TSP AWG18 + 1TSP AWG16	16.3	0.642	122.3	439
570TKFF39003	(4G6+(2x1)+(2x1.5)) 4C AWG10 + 1TSP AWG18 + 1TSP AWG16	18	0.709	135	594