OLFLEX-FD® 890

Super Flexible Heavy Duty Continuous Flex Control Cable

OLFLEX-FD® 890 is a super flexible, heavy duty, multi-conductor cable designed for continuous flex applications. The specially formulated PVC insulating and jacketing compounds increase flex life and provide optimum resistance to mineral oils, synthetic oils, and water based coolants. Our specially blended PVC jacket passes the stringent demands of the VDE 0472 section 803 oil test.

The OLFLEX-FD® 890 continuous flex cable is designed for use on gantry robots, cable tracks, pick and place units, automated handling equipment, machine tools, conveyor systems, and other continuous flexing applications.

Construction:

Finely stranded bare copper conductors; specially blended PVC insulation; dry lubricant; conductors cabled with non-wicking textile wrap over outer layer; specially formulated oil resistant PVC jacket.

- Also available with blue and black conductors; minimum order required

Technical Data:

Minimum bend radius for continuous flexing: 8 x cable diameter

Temperature range:
Flexing: –5°C to +90°C
Static: –40°C to +90°C

Rated voltage: 600 V

Test voltage: 3000 V

Insulation resistance: 20 GΩ x cm

Conductor stranding: Super fine wire

Color code: Red with black numbers, plus green/yellow

Optional: Other color codes available upon request

Approvals: UL Style 2587 for PVC jacket (90°C)
CSA AWM II A/B FT1
Conforms to CE Directives

Based on VDE specifications

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft	kg/km
20 AWG (74/38) 0.50 mm²					
892003	3	.256	6.5	43	64
892004	4	.276	7.0	49	73
892005	5	.303	7.7	54	80
892007	7	.362	9.2	75	112
892012	12	.449	11.4	124	185
892018	18	.539	13.7	183	273
892025	25	.673	17.1	265	395
892034	34	.732	18.6	338	504
18 AWG (114/38) 0.75 mm²					
891803	3	.272	6.9	46	68
891804	4	.295	7.5	60	89
891805	5	.323	8.2	74	110
891807	7	.413	10.5	102	152
891812	12	.524	13.3	158	236
891815	15	.531	13.5	202	301
891818	18	.587	14.9	234	348
891825	25	.720	18.3	336	501
891834	34	.799	20.3	434	646
16 AWG (190/38) 1.50 mm²					
891603	3	.311	7.9	79	118
891604	4	.346	8.8	99	148
891605	5	.374	9.5	124	185
891607	7	.457	11.6	138	205
891612	12	.567	14.4	227	338
891618	18	.657	16.7	323	481
891625	25	.843	21.4	479	713
891634	34	.921	23.4	622	927
891650	50	1.075	27.3	879	1309
891660	60	1.189	30.2	1075	1602
14 AWG (320/38) 2.50 mm²					
891404	4	.429	10.9	148	220
891407	7	.579	14.7	227	338
12 AWG (512/38) 4.00 mm²					
891204	4	.528	13.4	208	310
891207	7	.705	17.9	335	499
10 AWG (343/34) 6.00 mm²					
891004	4	.587	14.9	275	410
8 AWG (320/32) 10.00 mm²					
890804	4	.827	21.0	481	716
6 AWG (512/32) 16.00 mm²					
890604	4	.996	25.3	708	1055
4 AWG (800/32) 25.00 mm²					
890404	4	1.138	28.9	1004	1496
2 AWG (1120/52) 35.00 mm²					
890204	4	1.319	33.5	1239	1846