

OLFLEX® 540 P/ 540 CP

Flexible Power Supply Cables
with International Approvals



OLFLEX® 540 P is a multi-conductor, TPE insulated, flexible power supply cable with a rugged, abrasion resistant polyurethane jacket. The TPE insulation and polyurethane jacket allow this cable to be used both indoors and outdoors, in wet, dry, cold or hot conditions. This cable is flame retardant and is colored safety yellow. OLFLEX® 540 CP is a multi-conductor, TPE insulated,

flexible, shielded, power supply cable with a rugged, abrasion resistant polyurethane jacket. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. Recommended applications include power supply for portable hand tools and appliances.

OLFLEX® 540 P Construction:

Finely stranded bare copper conductors; TPE insulation; conductors cabled with non-wicking fillers; flame retardant yellow polyurethane jacket.



OLFLEX® 540 CP Construction:

Finely stranded bare copper conductors; TPE insulation; conductors cabled with non-wicking fillers; TPE inner jacket; tinned copper braid (85% coverage); flame retardant yellow polyurethane jacket.



Available with the following options:

- Blue, red, or black colored insulation with numbers
- Black or grey overall jacket
- Spiral construction, see page 195

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

Technical Data:

Minimum Bending Radius for installation: 4 x cable diameter

Temperature Range: -50°C to +90°C

Nominal Voltage:
 ≤ 18 AWG: 300/500V
 ≥ 16 AWG: 450/750V

Test Voltage: 3000V

Conductor Stranding: Fine wire per VDE 0295 Class 5

Color Code:
 up to 5 conductors: Chart 6, Page 674
 7 or more conductors: Black with white numbers and green/yellow ground

Approvals: VDE Reg. No. 6583 - 300/ 500 V
 VDE Reg. No. 6584 - 450/ 750 V

Conforms to CE Low Voltage Directive

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OLFLEX® 540 P: Flexible Power Supply Cables with International Approvals

Part Number	New Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Approx. Weight		Part Number	New Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Approx. Weight	
			inches	mm	lbs/mft	kg/km				inches	mm	lbs/mft	kg/km
(300/500V)							12 AWG (56/28) 4 mm ²						
18 AWG (32/32) 1.00 mm ²							12474	12474	3	.512	13.0	176	262
12458	12458	3	.291	7.4	54	80	12475	00124753	4	.559	14.2	198	295
12459	00124593	4	.323	8.2	65	96	12476	00124763	5	.630	16.0	239	355
12460	00124603	5	.354	9.0	79	117	10 AWG (84/28) 6 mm ²						
12461	12461	7	.429	10.9	116	172	12478	00124783	4	.634	16.1	296	440
(400/750V)							8 AWG (80/26) 10 mm ²						
16 AWG (30/30) 1.50 mm ²							12479	00124793	5	.693	17.6	356	530
12463	12463	3	.350	8.9	81	120	12481	00124813	4	.783	19.9	413	615
12464	00124643	4	.390	9.9	99	147	12482	00124823	5	.874	22.2	494	735
12465	00124653	5	.429	10.9	118	175							
12466	12466	7	.531	13.5	179	267							
14 AWG (50/30) 2.50 mm ²													
12468	12468	3	.417	10.6	120	179							
12469	00124693	4	.465	11.8	148	220							
12470	00124703	5	.528	13.4	180	268							

OLFLEX® 540 CP: Shielded Flexible Power Supply Cables with International Approvals

Part Number	New Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Approx. Weight		Part Number	New Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Approx. Weight	
			inches	mm	lbs/mft	kg/km				inches	mm	lbs/mft	kg/km
(300/500V)							12 AWG (56/28) 4 mm ²						
18 AWG (32/32) 1.00 mm ²							12774	12774	3	.638	16.2	273	407
12758	12758	3	.394	10.0	103	153	12775	00127753	4	.685	17.4	320	476
12759	00127593	4	.409	10.4	110	163	12776	00127763	5	.764	19.4	404	601
12760	00127603	5	.441	11.2	124	184	10 AWG (84/28) 6 mm ²						
12761	12761	7	.547	13.9	189	281	12778	00127783	4	.756	19.2	426	634
(450/750V)							8 AWG (80/26) 10 mm ²						
16 AWG (30/30) 1.50 mm ²							12779	00127793	5	.823	20.9	517	770
12763	12763	3	.437	11.1	122	181	12781	00127813	4	.929	23.6	667	993
12764	00127643	4	.476	12.1	146	218	12782	00127823	5	1.004	25.5	773	1151
12765	00127653	5	.539	13.7	193	287							
12766	12766	7	.657	16.7	265	394							
14 AWG (50/30) 2.50 mm ²													
12768	12768	3	.528	13.4	177	263							
12769	00127693	4	.575	14.6	224	334							
12770	00127703	5	.654	16.6	280	416							