

OLFLEX® FD 855 P/ 855 CP



Halogen-Free, Continuous Flex Cable for Extremely Small Bend Radius Applications

OLFLEX® FD 855 P is designed for extreme mechanical stresses due to tighter bend radius for continuous flexing. The materials used are halogen-free and environmentally friendly with an expanded temperature range. Insulation and jacketing materials are mechanically and chemically resistant to many environments. The polyurethane jacket is flame retardant. OLFLEX® FD 855 CP is a shielded version available with an overall tinned copper braid.

Recommended Applications:

Can be used in the most automated manufacturing systems. Excellent in cable track continuous flexing applications

Application Advantage:

- Our highest performing continuous flex cable with minimum bend radius of 5 x OD
- Specially designed for long travel distances up to 100m (horizontal)
- Oil resistant and cold flexible to -40°C
- For indoor or outdoor use, UV resistant

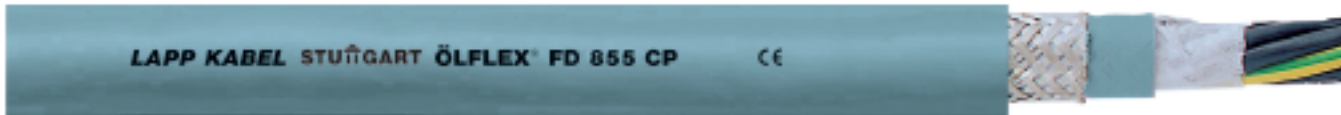
OLFLEX® FD 855 P Construction:

Finely stranded bare copper conductors; TPE insulation; textile wrap; specially formulated UV resistant gray polyurethane outer jacket.



OLFLEX® FD 855 CP Construction:

Finely stranded bare copper conductors; TPE insulation; textile wrap; gray elastomeric inner jacket; tinned copper braid (85% coverage); specially formulated UV resistant gray polyurethane outer jacket.



Cable Attributes, See Page 653		
	Oil Resistance: OR-5	
	Motion Type: CF-03	
		Flame Resistance: FR-02
		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	
	OLFLEX® Tubing: Page 546	
		EPIC® Connectors: Page 251
		SKINTOP® MS-SC Page 486

Technical Data:

Minimum Bending Radius - for continuous flexing: 5 x cable diameter - with shield: 7.5 x cable diameter	Conductor Stranding: Extra Fine Wire per VDE 0295, Class 6, IEC 228 Cl.6
Temperature Range: - for flexing: -40°C to +80°C - for stationary use: -50°C to +80°C	Color Code: Black with white numbers, plus green/yellow ground
Nominal Voltage: 300/500V	Approvals: Based on VDE Specifications
Test Voltage: 3000V	

OLFLEX® FD 855 P/ 855 CP



Halogen-Free, Continuous Flex Cable for Extremely Small Bend Radius Applications

OLFLEX® FD 855 P: Halogen-Free Continuous Flex Cable

Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Copper Weight	Approx. Weight		Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Copper Weight	Approx. Weight	
		inches	mm	lbs/mt	lbs/mt	kg/km			inches	mm	lbs/mt	lbs/mt	kg/km
21 AWG (28/34) 0.50 mm ²							16 AWG (84/34) 1.50 mm ²						
0027530	2	.213	5.4	7	23	34	0027562	4	.295	7.5	26	47	70
0027531	3	.232	5.9	9	27	40	0027563	5	.319	8.1	32	62	93
0027532	5	.272	6.9	16	37	55	0027564	7	.386	9.8	45	82	122
0027533	6	.291	7.4	19	42	63	0027565	12	.457	11.6	77	132	196
0027534	7	.315	8.0	23	51	76	0027566	18	.555	14.1	116	184	274
0027535	12	.374	9.5	39	77	114	0027568	25	.681	17.3	161	259	385
0027536	18	.445	11.3	58	111	165	0027575	2	.276	7.0	19	46	68
0027537	20	.469	11.9	65	121	180	0027576	3	.299	7.6	29	56	83
0027538	25	.543	13.8	81	147	219	0027586	4	.327	8.3	39	67	100
0027540	30	.551	14.0	97	169	251	0027577	5	.366	9.3	48	86	128
0027541	36	.594	15.1	195	195	290	0027578	7	.437	11.1	68	119	177
19 AWG (42/34) 0.75 mm ²							14 AWG (140/34) 2.50 mm ²						
0027545	2	.232	5.9	9	28	42	0027579	12	.516	13.1	116	185	275
0027546	3	.252	6.4	15	34	50	0027580	18	.618	15.7	174	272	405
0027547	4	.276	7.0	19	40	60	0027581	20	.646	16.4	194	304	453
0027548	5	.299	7.6	24	48	71	0027582	25	.760	19.3	242	380	565
0027549	7	.358	9.1	34	67	99	0027585	36	.835	21.2	348	510	759
0027550	12	.421	10.7	58	106	158	0027587	41	.906	23.0	413	657	978
0027551	18	.504	12.8	87	147	219	0027370	3	.362	9.2	48	81	121
0027552	20	.539	13.7	97	161	240	0027371	4	.402	10.2	65	110	163
0027553	25	.630	16.0	121	208	309	0027372	5	.449	11.4	81	132	196
0027555	36	.685	17.4	174	276	411	0027373	7	.543	13.8	113	179	266
18 AWG (56/34) 1.00 mm ²							14 AWG (140/34) 2.50 mm ²						
0027560	2	.248	6.3	13	34	50	0027374	12	.642	16.3	194	300	446
0027561	3	.272	6.9	19	41	61	0027375	18	.764	19.4	290	447	665
							0027376	25	.949	24.1	403	624	929

OLFLEX® FD 855 CP: Shielded Halogen-Free Continuous Flex Cable

Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Copper Weight	Approx. Weight		Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Copper Weight	Approx. Weight	
		inches	mm	lbs/mt	lbs/mt	kg/km			inches	mm	lbs/mt	lbs/mt	kg/km
21 AWG (28/34) 0.50 mm ²							18 AWG (56/34) 1.00 mm ²						
0027605	2	.280	7.1	22	45	67	0027635	2	.315	8.0	30	62	93
0027606	3	.291	7.4	27	53	79	0027636	3	.335	8.5	37	73	109
0027607	5	.339	8.6	36	72	107	0027637	4	.362	9.2	46	85	126
0027608	6	.358	9.1	40	81	121	0027638	5	.394	10.0	54	99	147
0027609	7	.386	9.8	45	89	132	0027639	7	.465	11.8	71	132	196
0027610	12	.453	11.5	65	128	190	0027640	12	.535	13.6	118	196	292
0027611	18	.524	13.3	88	165	245	0027641	18	.654	16.6	163	281	418
0027612	20	.547	13.9	105	189	281	0027643	25	.783	19.9	221	386	575
0027613	25	.638	16.2	128	247	367	16 AWG (84/34) 1.50 mm ²						
0027615	30	.646	16.4	149	274	408	0027649	2	.339	8.6	39	77	115
0027616	36	.685	17.4	169	308	459	0027650	3	.366	9.3	51	93	139
19 AWG (42/34) 0.75 mm ²							14 AWG (140/34) 2.50 mm ²						
0027620	2	.303	7.7	27	53	79	0027661	4	.402	10.2	61	105	156
0027621	3	.315	8.0	32	65	96	0027651	5	.445	11.3	75	133	198
0027622	4	.339	8.6	39	75	112	0027652	7	.508	12.9	97	171	254
0027623	5	.370	9.4	44	85	126	0027653	12	.606	15.4	163	280	416
0027624	7	.437	11.1	57	111	165	0027654	18	.713	18.1	233	379	564
0027625	12	.500	12.7	85	155	231	0027656	25	.843	21.4	327	572	851
0027626	18	.591	15.0	133	222	330	14 AWG (140/34) 2.50 mm ²						
0027627	20	.638	16.2	143	256	381	0027380	3	.437	11.1	74	130	194
0027628	25	.717	18.2	174	308	459	0027381	4	.476	12.1	91	157	234
0027629	30	.720	18.3	199	341	508	0027382	5	.520	13.2	121	197	293
0027630	36	.787	20.0	234	406	605	0027383	7	.634	16.1	165	281	418
							0027384	12	.728	18.5	253	423	629
							0027385	18	.870	22.1	382	613	912
							0027386	25	1.035	26.3	514	851	1266