



# Flat Festoon Cable

## Neoprene Unshielded

### Description

Sycor's unshielded neoprene flat festoon cable is a type of flat cable designed for use in festoon systems. It is used where there is space restrictions and where extreme flexing is required. Festoon Cable has a bend radius of 3-5 times its diameter. It is suitable for indoor or outdoor use, but has strong stability for outdoor applications against crosswinds. The synthetic rubber jacket of Sycor's unshielded neoprene flat festoon cable makes it oil and flame resistant and operates well in low temperature conditions. Temperature ratings range from -40°C to 80°C.

### Construction

Extra flexible stranding, soft drawn uncoated copper  
 Thermoset (EPDM) insulation  
 Black thermoset synthetic rubber (neoprene) jacket

### Approvals

UL certified (additional ratings available upon request)  
 UL-62  
 ASTM B-33, ASTM B-174

### Temperature Rating

UL -40°C to 80°C (Static)

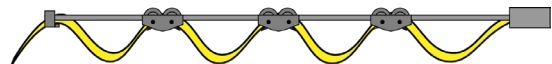
### Voltage Rating:

UL 300/500 Volts



### Application

Sycor's unshielded neoprene flat festoon cable is designed for bridge and gantry cranes, and can also be used for power and control on cranes and hoists



Sycor Part No	Size AWG	No. of Conductors	Stranding	Nominal O.D		Approx Weight	
				inches	mm	lbs/1000ft	kg/km
FESN1604	16	4	84/34	0.232 x 0.638	5.9 x 16.2	157	234
FESN1605	16	5	84/34	0.232 x 0.933	5.9 x 23.7	204	304
FESN1607	16	7	84/34	0.232 x 1.201	5.9 x 30.5	263	391
FESN1608	16	8	84/34	0.232 x 1.338	5.9 x 34	296	441
FESN1610	16	10	84/34	0.232 x 1.712	5.9 x 43.5	309	460
FESN1612	16	12	84/34	0.256 x 1.984	6.5 x 50.4	434	646
FESN1624	16	24	84/34	0.512 x 2.205	13 x 56	867	1290
FESN1404	14	4	140/34	0.283 x 0.772	7.2 x 19.6	212	316
FESN1405	14	5	140/34	0.283 x 1.094	7.2 x 27.8	263	391
FESN1407	14	7	140/34	0.283 x 1.421	7.2 x 36.1	358	533
FESN1408	14	8	140/34	0.283 x 1.583	7.2 x 40.2	405	602
FESN1412	14	12	140/34	0.307 x 2.338	7.8 x 59.4	598	890
FESN1424	14	24	140/34	0.610 x 2.63	15.5 x 66.8	994	1480
FESN1204	12	4	224/34	0.346 x 0.953	8.8 x 24.2	340	506
FESN1205	12	5	224/34	0.346 x 1.315	8.8 x 33.4	417	621
FESN1207	12	7	224/34	0.346 x 1.673	8.8 x 42.5	572	851
FESN1004	10	4	192/32	0.378 x 1.079	9.6 x 27.4	444	661
FESN1005	10	5	192/32	0.378 x 1.472	9.6 x 37.4	497	740
FESN1007	10	7	192/32	0.378 x 1.858	9.6 x 47.2	675	1004

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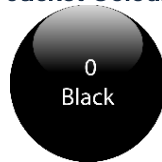
## Neoprene Unshielded

Sycor Part No	Size AWG	No. of Conductors	Stranding	Nominal O.D		Approx Weight	
				inches	mm	lbs/1000ft	kg/km
FESN0804	8	4	320/32	0.409 x 1.212	10.4 x 30.8	690	1027
FESN0805	8	5	320/32	0.409 x 1.638	10.4 x 41.6	787	1171
FESN0807	8	7	320/32	0.409 x 2.126	10.4 x 54	902	1342
FESN0604	6	4	512/32	0.457 x 1.401	11.6 x 35.6	961	1430
FESN0605	6	5	512/32	0.480 x 1.898	12.2 x 48.2	1068	1590
FESN0607	6	7	512/32	0.480 x 2.562	12.2 x 65.1	1536	2286
FESN0404	4	4	800/32	0.555 x 1.803	14.1 x 45.8	1270	1890
FESN0405	4	5	800/32	0.579 x 2.295	14.7 x 58.3	1488	2215
FESN0407	4	7	800/32	0.602 x 3.098	15.3 x 78.7	2016	3000
FESN0204	2	4	280/26	0.622 x 2	15.8 x 50.8	1653	2460
FESN0205	2	5	280/26	0.646 x 2.535	16.4 x 64.4	1935	2880
FESN0207	2	7	280/26	0.646 x 3.401	16.4 x 86.4	2755	4100
FESN0104	1	4	400/26	0.732 x 2.370	18.6 x 60.2	2274	3385
FESN2/004	2/0	4	356/24	0.827 x 2.677	21 x 68	3010	4480
FESN3/004	3/0	4	485/24	0.949 x 3.094	24.1 x 78.6	4025	5990
FESN4/004	4/0	4	614/24	1.003 x 3.315	25.5 x 84.2	4865	7240

Note: Greater than 4 conductors is available upon request with numbered black conductors and one green/yellow striped conductor

Color Chart		
Cond. #	Color	Stripe Color
1	Brown	-
2	Blue	-
3	Green	Yellow
4	Black	-

### Jacket Colour



### Value Added Services



Cutting & Stripping



Re-Spooling



Terminating

Note: Shielded or unshielded European specifications are available upon request