

# Flat Festoon Cable

## PVC Shielded or Unshielded

### Description

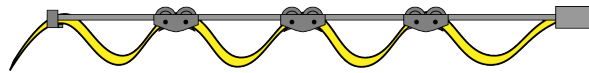
Sycor's shielded flat festoon cable and unshielded flat festoon cable with PVC is a type of flat cable designed for use in festoon systems. It is used where there is space restrictions and where extreme flexing is required. The flat festoon Cable has a bend radius of 3-5 times its diameter. It is suitable for indoor or outdoor use. It is oil resistant and operates well in low temperature conditions. Temperature ratings range from -40 to 105°C. in static conditions and -10°C to 70°C in dynamic conditions.

### Construction

Flexible stranded bare copper conductors with PVC insulation  
Shielded version has Individually shielded conductors  
Yellow or black PVC jacket

### Approvals

UL & CSA festoon  
UL AWM



### Temperature Rating

CSA/UL: -40°C to 105°C (static)  
-10°C to 70°C (dynamic)

### Voltage Rating:

CSA/UL 600 Volts  
2000 Volts Peak

### Application

Sycor's shielded flat festoon cable and unshielded flat festoon cable with PVC is designed for bridge and gantry crane, and can also be used for power and control on cranes and hoists.



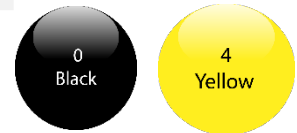
Sycor Part No	Size AWG	No. of Conductors	Stranding	Nominal Insulation		Nominal O.D		Approx Weight	
				inches	mm	inches	mm	lbs/1000ft	kg/km
FESS-16/4	16	4	65	0.031	.79	0.225 x 0.700	5.7 x 17.8	175	260
FESS-16/8	16	8	65	0.031	.79	0.270 x 1.450	6.9 x 36.8	320	476
FESS-16/12	16	12	65	0.031	.79	0.270 x 2.100	6.9 x 53.3	471	701
FESS-14/12	14	12	105	0.0385	0.98	0.290 x 2.350	7.4 x 59.7	615	915

Alternate: European Approvals available upon request.  
Additional gauges or strandings may also be available upon request

Sycor Part No	Size AWG	No. of Conductors	Stranding	Nominal Insulation		Nominal O.D		Approx Weight	
				inches	mm	inches	mm	lbs/1000ft	kg/km
FES-16/4	16	4	65/34	0.031	0.79	0.200 x 0.590	5.1 x 15	95	141
FES-14/4	14	4	105/34	0.0385	0.98	0.240 x 0.690	6.1 x 17.53	138	205
FES-12/4	12	4	65/30	0.032	0.81	0.230 x 0.710	5.84 x 18.03	163	243
FES-10/4	10	4	105/30	0.031	0.79	0.270 x 0.880	6.86 x 22.35	239	356
FES-08/4	8	4	168/30	0.046	1.17	0.365 x 1.190	9.27 x 30.23	406	603
FES-06/4	6	4	266/30	0.062	1.57	0.430 x 1.450	10.92 x 36.83	620	923
FES-04/4	4	4	413/30	0.062	1.57	0.486 x 1.656	12.34 x 42.06	870	1295
FES-02/4	2	4	665/30	0.062	1.57	0.558 x 1.959	14.17 x 49.76	1261	1876
FES-2-0/4	2/0	4	1330/30	0.082	2.08	0.783 x 2.712	19.9 x 68.9	2492	3708
FES-12/5	12	5	65/30	0.030	0.76	0.219 x 0.845	5.56 x 21.46	195	290
FES-10/5	10	5	105/30	0.031	0.79	0.270 x 1.080	6.86 x 27.43	297	442
FES-8/5	8	5	168/30	0.046	1.17	0.365 x 1.480	9.3 x 37.6	510	759
FES-6/5	6	5	266/30	0.062	1.57	0.430 x 1.810	10.9 x 46	780	1161
FES-4/5	4	5	413/30	0.062	1.57	0.486 x 1.656	12.3 x 42.1	1106	1646
FES-2/5	2	5	665/30	0.062	1.57	0.558 x 2.470	14.2 x 59.76	1594	2372
FES-16/8	16	8	65/34	0.031	0.79	0.200 x 1.100	5.08 x 28.19	185	275
FES-14/8	14	8	105/34	0.0385	0.98	0.240 x 1.334	6.1 x 33.88	238	399
FES-12/8	12	8	65/30	0.032	0.81	0.230 x 1.340	5.84 x 34.04	321	478
FES-16/12	16	12	65/34	0.031	0.79	0.200 x 1.605	5.08 x 40.77	272	405
FES-14/12	14	12	105/34	0.0385	0.98	0.240 x 1.950	6.1 x 49.5	408	607

Color Chart	
Cond. #	Color
1	Black
2	Red
3	Blue
4	Orange
5	Yellow
6	Brown
7	Red/Black
8	Blue/Black
9	Orange/Black
10	Yellow/Black
11	Brown/Black
12	Black/Red

### Jacket Colours



### Value Added Services



Cutting

Re-Spooling



Terminating