

Neoprene Flat Cables

SS8003 | 2017 11 05

UL - Listed/CSA Approved (-40°C to 90°C)



Applications

All-Temp (K) Flat Neoprene Festoon Cable is primarily designed for use with festoon systems for conveyance of electrical power and control to cranes, hoist, or any other equipment which travels with a lateral traversing motion.

All-Temp (K) Flat Cables are suitable for either indoor or outdoor applications operating at -40°C to 90°C.

Ratings

UL Listed (E60362D), CSA certified (LL36970), 600 volts

Design Parameters

Conductors: Extra-flexible stranding (Class K), soft drawn tinned copper per ASTM B-3, ASTM B-174, UL-62 High flexibility, extended flex-life, reduces copper fatigue and conductor breakage, easy to solder and resists corrosion.

Insulation: Black thermoset (EPDM) insulation. Excellent physical and electrical properties, suitable for use in extreme flexing applications.

Jacket: Black, oil and flame-resistant Neoprene jacket.

Note: For festoon cable trolley support saddle diameter see minimum bend diameter column below.

Color Code: 8 and 12 conductor cables (black with numbers), 4 conductor cables (green-yellow, remaining conductors black with number)

Conductix-Wampfler Part No.	Number of Cond.	Conductor Size (AWG)	Stranding	Nominal Cable O.D. in (mm)	Minimum Bend Diameter in (mm)	Ampacity @ 40°C 1	Approximate Cable Weight Lbs/Mft (kg/Km)	Flat Cable Cord Grip
All-Temp (K) Flat Cable (600V)								
XA-579762	8	16	26/30	0.240 x 1.130 (6.1 x 28.7)	1.93 (49)	14	235 (350)	XA-35837C
XA-579765	12	16	26/30	0.240 x 1.662 (6.1 x 42.2)	1.93 (49)	14	340 (506)	XA-35838C
XA-579766	4	14	41/30	0.288 x 0.792 (7.3 x 20.1)	2.32 (59)	18	185 (275)	XA-35835C
XA-579767	8	14	41/30	0.288 x 1.509 (7.3 x 38.3)	2.32 (59)	16	361 (537)	XA-35838B
XA-579768	12	14	41/30	0.288 x 2.226 (7.3 x 56.5)	2.32 (59)	16	526 (783)	XA-562447
XA-579769	4	12	65/30	0.310 x 0.880 (7.9 x 22.4)	2.52 (64)	23	240 (357)	XA-35837
XA-579770	8	12	65/30	0.320 x 1.695 (8.1 x 43.1)	2.56 (65)	20	463 (689)	XA-580527
XA-579771	12	12	65/30	0.320 x 2.500 (8.1 x 63.5)	2.56 (65)	20	707 (1052)	XA-580529
XA-579772	4	10	105/30	0.335 x 0.980 (8.5 x 24.9)	2.72 (69)	29	314 (467)	XA-35837
XA-579776	4	8	168/30	0.451 x 1.354 (11.5 x 34.3)	4.53 (115)	41	565 (841)	XA-35838B
XA-579777	4	6	266/30	0.485 x 1.490 (12.3 x 37.8)	4.85 (123)	55	728 (1083)	XA-35838
XA-579778	4	4	420/30	0.545 x 1.730 (13.8 x 43.9)	5.43 (138)	71	974 (1449)	XA-562685
XA-579779	4	2	665/30	0.608 x 1.982 (15.4 x 50.3)	6.06 (154)	95	1.442 (2146)	XA-562685
XA-579780	4	1/0	1045/30	0.778 x 2.542 (19.8 x 64.6)	7.80 (198)	132	2.259 (3362)	020612-20
XA-579781	4	2/0	2107/30	0.824 x 2.726 (20.9 x 69.2)	8.23 (209)	149	2.702 (4021)	020612-20

¹Ampacity based on single cable in free air 40°C ambient, 90°C conductor temperature

²Must be cut out of flat cables. Can be used for a group of flat cables.

Consult factory for availability

Additional Neoprene Flat Cables Available: Consult Factory