

PVC Flat Cable

Standard flat cable has a yellow PVC jacket. Black cable jacket is also available by request - contact Conductix-Wampfler. Rip cords are provided with cables from 16 AWG to 10 AWG to assist with removing the outside jacket.

Flat cable is sold by the foot. To calculate required festoon cable length, add 10% to the track length, then add the desired hookup lengths for both fixed end and mobile end connections.

For Neoprene flat cables, see page 10. For Round Cables, see Pg. 32.

Cable Size		Part No.		Continuous Duty Rating (amps) *	Short Duration Rating (amps) **		Strands per Conductor	Unshielded Cable Nominal Dimensions +		Wt lb/ft (kg/m)
# of Cond	AWG	PVC Jacket	Shielded +		60 min	30 min		Height in. (mm)	Width in. (mm)	
4	2	23958Y		120	148	173	665	0.56 (14)	1.96 (50)	1.27 (0.60)
4	4	26550Y		90	111	130	420	0.49 (12)	1.70 (43)	0.75 (0.34)
4	6	21814Y		70	83	94	266	0.44 (11)	1.45 (37)	0.60 (0.27)
4	8	26698Y		50	63	69	168	0.37 (9)	1.19 (30)	0.42 (0.19)
4	10	22542Y		40	49	52	105	0.27 (7)	0.88 (22)	0.24 (0.11)
4	12	22994Y		30	36	40	65	0.23 (6)	0.75 (18)	0.16 (0.07)
4	14	21815Y		25	31	32	41	0.21 (5)	0.63 (16)	0.12 (0.5)
4	16	-	31734	n/a	n/a	n/a	65	0.24 (6)	0.76 (19)	0.16 (0.07)
8	12	26005Y		21	n/a	n/a	65	0.23 (6)	1.34 (34)	0.32 (0.15)
8	14	26110Y		17	n/a	n/a	41	0.21 (5)	1.18 (30)	0.22 (0.10)
8	16	22607Y	31772	15	n/a	n/a	65	0.20 (5)	1.11 (28)	0.18 (0.08)
12	14	21813Y	34819	17	n/a	n/a	41	0.21 (5)	1.90 (48)	0.34 (0.15)
12	16	23324Y	31580	15	n/a	n/a	65	0.20 (5)	1.61 (41)	0.27 (0.12)

NOTES:

* At 30° C (86° F) ambient temperature. Refer to correction factors in NEC Table 16.14 (A) for temperatures above 30° C.

** For crane and hoist motors, in accordance with 2008 National Electric Code, Article 610 for 90° C cables

+ Dimensions may vary - contact Conductix-Wampfler

We sell flat cable in full spools as well as by the foot - contact the factory for details.

Cable Connectors - For Flat PVC Cable

Cable Connectors for Flat PVC Cable are used to terminate the cable at the power source or junction box. Connector has an aluminum body and rubber bushing. Some of the connectors listed have a dual slot to accommodate a second cable - see Cable # 2 columns below.



PN: 35835 (1" NPT, single slot)



PN: 35837H (1.5" NPT, dual slot)



PN: 35838 (2.0" NPT single slot)

Cable # 1			Cable # 2 (if required)			Connector	
No. of Cond.	AWG	Cable Part No. *	No. of Cond.	AWG	Cable Part No. *	NPT in. (mm)	Part No.
4	4	26550Y	-	-	-	2.0 (51)	35838
4	6	21814Y	-	-	-	2.0 (51)	35838B
4	8	26698Y	-	-	-	1.5 (38)	35837
4	10	22542Y	-	-	-	1.0 (25)	35835C
4	12	22994Y	-	-	-	1.0 (25)	35835B
4	14	21815Y	-	-	-	1.0 (25)	35835
8	12	26005Y	-	-	-	1.5 (38)	35837B
8	12	26005Y	8	12	26005Y	2.0 (51)	35838G
8	14	26110Y	-	-	-	1.5 (38)	35837C
8	14	26110Y	4	10	22542Y	1.5 (38)	35837K
8	14	26110Y	4	12	22994Y	1.5 (38)	35837M
8	14	26110Y	4	14	21815Y	1.5 (38)	35837H
8	14	26110Y	8	14	26110Y	1.5 (38)	35837E
8	16	22607Y	-	-	-	1.5 (38)	35837D
8	16	22607Y	4	10	22542Y	1.5 (38)	35837J
8	16	22607Y	4	12	22994Y	1.5 (38)	35837L
8	16	22607Y	4	14	21815Y	1.5 (38)	35837G
8	16	22607Y	8	16	22607Y	1.5 (38)	35837F
12	14	21813Y	-	-	-	2.0 (51)	35838C
12	14	21813Y	4	10	22542Y	2.0 (51)	35838H
12	14	21813Y	12	14	21813Y	2.0 (51)	35838E
12	16	23324Y	-	-	-	2.0 (51)	35838D
12	16	23324Y	12	16	23324Y	2.0 (51)	35838F

* For details on PVC flat cables, see Pg. 8.

Heat Shrinkable Connectors For Flat or Round Cable



These connectors are for single cable and multiple cable groups and are corrosion resistant and flame retardant. They exceed US Navy requirements for tightness and integrity when used with one flat cable or multiple flat cables of the same size.

Cable Opening in. (mm)	Knockout Dia. in. (mm)	Part No.	Dimension "A"	Wt lb (kg)
1.60 (41)	2.00 (51)	03147	6.17 (157)	0.16 (0.07)
1.10 (28)	1.37 (35)	03146	4.50 (114)	0.16 (0.07)
0.75 (19)	1.00 (25)	03145	4.09 (104)	0.07 (0.03)