

TABLE 12 - Conductor Ampacity – Flexible Cords [60°C (140°F) Insulated Rating]

CONDUCTOR SIZE (AWG)	NOMINAL CM AREA (SEE NOTE 1)	AMPACITY OF INSULATED COPPER CONDUCTORS (See NOTES 1 and 2)			
		OUTSIDE ENGINE SPACES 30°C (86°F) Ambient		INSIDE ENGINE SPACES 50°C (122°F) Ambient	
		3 CURRENT CARRYING CONDUCTORS	2 CURRENT CARRYING CONDUCTORS	3 CURRENT CARRYING CONDUCTORS	2 CURRENT CARRYING CONDUCTORS
16	2,580	10	13	6	8
14	4,110	15	18	9	11
12	6,530	20	25	12	15
10	10,380	25	30	15	20
8	16,510	35	40	20	25
6	26,240	45	55	30	35
4	41,740	60	70	35	40
2	66,360	80	95	50	55

NOTES:

1. Current ratings are for not more than two or three current carrying conductors in a flexible cord as indicated. Reduce the current rating to 80% of values shown for four to six current-carrying conductors.
2. The ampacity of shore cables shall be based on 86°F (30°C) ambient.

TABLE 13 - Wiring Color Code

COLOR	USE
Green, or green w/yellow stripe(s)	DC grounding conductors
Black, or yellow	DC negative conductors
Red	DC positive conductors

TABLE 14 - Engine and Accessory Wiring Color Code

COLOR	ITEM	USE
Yellow w/Red Stripe (YR)	Starting Circuit	Starting switch to solenoid
Brown/Yellow Stripe (BY) or Yellow (Y) - see Note	Bilge Blowers	Fuse or switch to blowers
Dark Gray (Gy)	Navigation Lights Tachometer	Fuse or switch to lights Tachometer sender to gauge
Brown (Br)	Generator Armature Alternator Charge Light Pumps	Generator armature to regulator Generator Terminal/alternator Auxiliary terminal to light to regulator Fuse or switch to pumps
Orange (O)	Accessory Feed	Ammeter to alternator or generator output and accessory fuses or switches. Distribution panel to accessory switch
Purple (Pu)	Ignition Instrument Feed	Ignition switch to coil and electrical instruments. Distribution panel to electric instruments
Dark Blue (Dk Bl)	Cabin and Instrument Lights	Fuse or switch to lights
Light Blue (Lt Bl)	Oil Pressure	Oil pressure sender to gauge
Tan (Tn)	Water Temperature	Water temperature sender to gauge
Pink (Pk)	Fuel Gauge	Fuel gauge sender to gauge
Green/Stripe (G/x) (Except G/Y)	Tilt down and/or Trim in	Tilt and/or trim circuits
Blue/Stripe (Bl/x)	Tilt up and/or Trim out	Tilt and/or trim circuits

NOTE: If yellow is used for DC negative, blower should be brown with yellow stripe.

TABLE 15 - Tensile Test Values for Connections

CONDUCTOR SIZE	TENSILE FORCE		CONDUCTOR SIZE	TENSILE FORCE	
GAUGE	POUNDS	NEWTONS	GAUGE	POUNDS	NEWTONS
18	10	44	4	70	311
16	15	66	3	80	355
14	30	133	2	90	400
12	35	155	1	100	444
10	40	177	0	125	556
8	45	200	00	150	667
6	50	222	000	175	778
5	60	266	0000	225	1000