FLEXIBLE MARINE PRIMARY WIRE

105°C. 50/60 Volts. Flexible Stranded Bare or Tinned Copper Conductor. PVC Insulation.

Images not to scale and for reference only. See Table 1 for Dimensions

CONSTRUCTION:

Conductors: Flexible stranded bare copper or tinned copper; See Table 1 for Stranding Details.
Insulation: Polyvinyl Chloride (PVC)
Colors: All Colors available; Stripes available upon request

APPLICATIONS AND FEATURES:

Per SAE J1128, these products are intended for use at a nominal system voltage of 60 V DC (25 V AC) or less in surface electrical systems. Per SAE J378, these products are also intended for use in marine inboard engine wiring, wiring assemblies, wiring components, and wiring connectors connected to microprocessors associated with the operation of a marine propulsion system, operating at 50 V or less.

SPECIFICATIONS:

- ASTM B3 - Bare Copper
- ASTM B33 - Tinned Copper
- SAE J1128
- SAE J378

FEATURES:

- Moisture Resistant
- Oil and Gasoline Resistant
- Abrasion Resistant

Voltage:

60V DC or 25V AC or less for surface (land) vehicle electrical systems.
50V or less for marine propulsion systems.

SAMPLE PRINT LEGEND:

CF 18 AWG MARINE SAE J-378 AND J-1128 105C 60V DC

TABLE 1 - WEIGHTS & MEASUREMENTS

Stock Code	SAE Cond. Size (AWG)	Number of Strands	Nominal Insulation Thickness (inches)	Nominal OD (inches)	Nominal Weight (Lbs/Mft)	Allowable Ampacity*	
						Outside Engine Spaces (Amps)	Inside Engine Spaces (Amps)
Tinned Copper							
F18020	18	16	0.023	0.092	8	20	17
F16013	16	19	0.023	0.103	11	25	21
F14019	14	19	0.023	0.117	15	35	30
F12011	12	19	0.026	0.142	24	45	38
F10003	10	19	0.031	0.177	37	60	51
F08004	8	19	0.037	0.222	60	80	68
Bare Copper							
F18019	18	16	0.023	0.092	8	20	17
F16012	16	19	0.023	0.103	11	25	21
F14018	14	19	0.023	0.117	15	35	30
F12010	12	19	0.026	0.142	24	45	38
F10002	10	19	0.031	0.177	37	60	51
F08002	8	19	0.037	0.222	61	80	68

All dimensions are nominal and subject to nominal manufacturing tolerances

* Ampacity values are based on 33 CFR 183.425 Table 5. These ampacities may not be suitable for all applications.