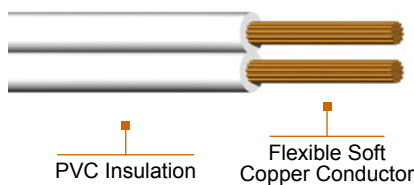


## SPT (Service Parallel Thermoplastic Cord)

125 V Flexible Copper Conductors. Thermoplastic Insulation



### Detail Description or Construction

Type SPT is a flexible insulated conductor composed by two cords of bunch-stranded bare annealed copper, both cords are joined by a membrane which keeps them in parallel position in the same plane and facilitating its separation, with thermoplastic insulation of PVC (Polyvinyl Chloride), designed to operate at not more than 125V. This product was designed to operate at 60°C of temperature inside the conductor in dry and wet conditions; also its isolation does not propagate the flame.

- SPT-1 refer to parallel cords for gauges from 20-18AWG.
- SPT-2 refer to parallel cords for gauges from 18-16AWG.
- SPT-3 refer to parallel cords for gauges from 18-10AWG.

### Application

The SPT conductor is widely used in appliance wiring low voltage applications and portable lamps. Also is recommended to use in lighting systems installations specially to feed suspended luminaries since it facilitate the installation not affecting the esthetic of the installation. Moreover, SPT conductors might be used to feed portable electrical devices like air conditioning systems, motors, etc., basically as part of non permanent installations as specified at articles 400 and 305 of NEC.

### Standards / Testing Specifications

SPT conductors have been designed according to ASTM B3, B174 and UL-62 specifications and requirements of the latest version of the National Electrical Code (NEC).

### Marking

**PHELPS DODGE SPT OR SPT-1 OR SPT-2 2X(GAUGE) AWG (UL) E-120868 C (UL) FT2.**

## SPT (Service Parallel Thermoplastic Cord)

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### Installation

SPT conductors are been manufactured in sizes from 20 AWG to 10 AWG, available color are available in the following colors, black, white, gray and brown. These can be installed as part of non permanent installations as specified at articles 400 and 305 of NEC:

#### Not allowed use:

- In order to substitute outlets wiring for a permanent installation.
- It shall not be installed inside walls, suspended floor or roof.
- It shall not be wire up thru any hole at walls, suspended floor or roof.

- It shall not pass thru doors, windows or any opening where it could be damaged by sharp point.
- It shall not be stapled or nail down on the solid parts of the installation.
- It shall not be tubing in conduit.

It is recommended that the installation instructions indicated by the Local Electric Code, or any equivalent, be followed, so that the safeguarding of persons and the integrity of the product will not be affected by deficiencies in the installation. For current ampacity details please refer to NEC table 400-5A, column according to each application.

TECHNICAL INFORMATION								
Size	Conductor Cross Section	Construction	Nominal Insulation Thickness		Approximate Dimensions	Máx.C.D. Electrical Resistance @ 30°C	Approx. Total Weight	Standard Packaging
			in	mm				
AWG	mm²	No. / AWG			mm	Ω / km	kg / km	m
20	0,52	7/28	0,030	0,762	4.35 x 2.25	35,9	18	CB 100
18	0,82	10/28	0,030	0,762	5.50 x 2.95	22,7	26	CB 100
16	1,31	16/28	0,030	0,762	6.12 x 3.25	14,2	37	CB 100
14	2,08	26/28	0,030	0,762	7.10 x 3.86	8,98	54	CB 100
12	3,31	41/28	0,030	0,762	8.00 x 4.26	5,68	79	CB 100
10	5,26	65/28	0,030	0,762	11.19 x 5.55	3,56	134	CB 100

#### Packaging:

WR: Wooden Reel, CB: Carton Box, C: Coils