



### Detail Description or Construction

#### Conductor

Flexible soft copper conductor.

#### Insulation

Polyvinyl Chloride (PVC) 60°C.

### Application

The SPT-R 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 luminaires since it facilitate the installation not affecting the esthetic of the installation. Moreover, SPT-R 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-R conductors have been designed according to Phelps Dodge, ASTM B3, B174 and UL-62 specifications and requirements of the latest version of the National Electrical Code (NEC).

### Marking

**PHELPS DODGE ICONEL**  
**SPT-R SIZE AWG.**



### 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.

Conductor Size	Number of Wires / Size	Sectional Area	External Dimensions	Weight (Approx)	Standard Package
AWG	AWG	mm <sup>2</sup>	mm	kg / km	m / roll
2 x 22 White	7/30	0.32	3.73 x 1.82	15	100
2 x 22 Trans.	7/30	0.32	3.73 x 1.82	15	100
2 x 20 White	7/28	0.52	4.09 x 2.11	18	100
2 x 20 Trans.	7/28	0.52	4.09 x 2.11	18	100
2 x 18	10/28	0.82	4.95 x 2.72	28	100
2 x 16	16/28	1.31	5.64 x 3.00	39	100
2 x 14	26/28	2.08	6.45 x 3.40	56	100
2 x 12	41/28	3.31	7.42 x 3.89	81	100
2 x 10	65/28	5.26	10.2 x 5.27	137	100

**Class "K":** Wire of 0.254 mm f (30AWG). **Class "J":** Wire of 0.320 mm f (28 AWG).  
**Note:** Data shown is approximated and subject to normal manufacturing tolerances.  
**Color:** 20 and 22 AWG Transparent. From 18 to 10 AWG, White. Black and Brown with special Order.