

SPT-R

Duplex Copper Conductor



GENERAL INFORMATION

The SPT-R is a flexible duplex parallel copper flexible conductor. The cores are made of soft wires twisted and insulated with thermoplastic polyvinyl chloride (PVC) with a holding membrane allowing ease of separation.

FEATURES

- The SPT-R conductor is manufactured from 16 AWG (1,31 mm²) to 10 AWG (5,26mm²) gauges in white, black, grey or brown insulation.
- The lead-free PVC insulation complies with the RoHS (Restriction of Hazardous Substances) regulation.
- The external diameter is the measure of the two conductors.

CERTIFICATIONS AND DESIGN STANDARDS

Standards of design: ASTM B174, ASTM B172 and NTC 5521

Certifications: CIDET 03648

CABLE DESIGN

Conductor material	Copper
Core insulation material	Polyvinyl chloride (PVC)

ELECTRICAL & THERMAL PARAMETERS

Nominal voltage U [V]	300
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INSTALLATION DETAILS

Application	Building Installations;Indoor
Outdoor installation	No
Underground installation	No

PHYSICAL & CHEMICAL PROPERTIES

Flame retardant	No
Oil resistant	No
Moisture resistance	Yes

SPECIFIC APPLICATIONS

- The SPT-R is widely used in home portable lamp, hanging lights and appliances. Widely used as temporary extension connections.
- Non-recommended applications:
 1. Should not be used in substitution of fixed electrical circuits of switches or outlets among other house circuits.
 2. Should not be left inside walls, floors or ceiling.
 3. Should not be installed on wall, floors or ceiling perforations.
 4. Should not be installed trough doors, windows or similar openings where the cable may be damaged by sharp or pointy edges.
 5. Should not be stapled or nailed to the structures during installation.
 6. Should not be installed in electrical conduits unless the NEC allows.
 7. The live conductor identified by Surface vanes on the insulation should not be connected to exposed metal surfaces on light fixtures or appliances.

LEGEND ON THE CABLE

For all gauges, the legend to be printed is:

PRYSMIAN (R) PHELPS DODGE (R) SPT-R 2X(GAUGE) AWG ((GAUGE) mm²) CU 300V 60°C CIDET CERTIFIED No. 03648

PRODUCT CHARACTERISTICS

AWG size	Nominal cross section conductor [mm ²]	Width [mm]	Height [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]
16	1.31	6	3	36.99	14.1
14	2.08	7	3	53.35	8.88
12	3.31	8	4	77.21	5.58
10	5.26	10	5	131.53	3.51

The conductor operating amperage is defined by the installation conditions and operating temperatures. Note: The values given may vary according to the manufacturing tolerances.