

# TPS - Two Core +E

CU TPS 2X 16+6E BK

## Contact

Sales and Customer Solutions  
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**Nexans Ref.:** CNZP15AA002CXHF

**Country Ref.:** 6565

Cu conductors PVC insulation, PVC sheath. 450/750 V. Made to AS/NZS 5000.2

## DESCRIPTION

### Application

- Domestic, commercial and industrial general applications
- Fixed applications



## STANDARDS

**National** AS/NZS 5000.2

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## CHARACTERISTICS

### Construction characteristics

|                                |                          |
|--------------------------------|--------------------------|
| Pilot wires                    | None                     |
| Sheath colour                  | Black                    |
| With Green/Yellow core         | Yes                      |
| Conductor material             | Copper                   |
| Insulation                     | PVC                      |
| Outer sheath                   | PVC                      |
| Core identification            | Red, Black, Green/Yellow |
| Type of conductor              | Circular, stranded       |
| Wire colour                    | -                        |
| With smaller neutral conductor | No                       |

### Dimensional characteristics

|  |                    |
|--|--------------------|
| Conductor cross-section                  | 16 mm <sup>2</sup> |
| Earth conductor cross section            | 6 mm <sup>2</sup>  |
| Nominal overall diameter                 | 9.9 x 24.3         |
| Approximate weight                       | 0.63 kg/m          |
| Neutral conductor section (when smaller) | - mm <sup>2</sup>  |
| Number of cores                          | 2                  |

### Electrical characteristics

|  |             |
|--|-------------|
| Max. DC resistance of the conductor at 20°C (Ohm/km) | 1.15        |
| Rated Voltage U <sub>0</sub> /U                      | 450/750 V   |
| Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )    | 450 / 750 V |

### Mechanical characteristics

|                   |       |
|-------------------|-------|
| Cable flexibility | Rigid |
|-------------------|-------|

### Usage characteristics

|                                       |       |
|---------------------------------------|-------|
| Max. conductor temperature in service | 75 °C |
|---------------------------------------|-------|

PVC insulation For cables up to and including 450/750 V @ 50 Hz AC.

| Conductor cross-section<br>[mm <sup>2</sup> ]   |  Cu                        |  Cu             |  Cu  |  Cu |  Cu |  Cu |
|---|---|--|---|--|--|--|
| 16  | 97  | 91   | 78  | 125  | 95   | 46   |
|  Air Spaced from Surface, Unenclosed |  Air touching, unenclosed  |  Air enclosed |   |  |  |  |
|  Buried direct                       |  Buried in single-way duct |  |  Cable surrounded by thermal insulation unenclosed |  |  |  |

### Note

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The values are for typical New Zealand installation conditions of:

- Ambient Air Temperature:30°C