

# PVC Neutral Screened Cables

CU NSCRN 4X 10 3.2

## Contact

Sales and Customer Solutions  
Phone: 0800 639 267  
sales.nz@nexans.com

**Nexans Ref.:** HAGP13PX004CXEM

**Country Ref.:** 7823

Cu conductors, PVC insulation, Cu wire neutral screen, Black PVC sheath. 0.6/1 kV.  
Made to AS/NZS 4961.

## DESCRIPTION

### Application

- Industrial, commercial and domestic applications
- For use in various situations to supply the main power from the point of supply to buildings, equipment, sheds, eg, switch board to main control cabinet, main between floors and buildings, cable cabinet to motor, etc.



## STANDARDS

**National** AS/NZS 4961

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## CHARACTERISTICS

### Construction characteristics

|                                |                         |
|--------------------------------|-------------------------|
| Pilot wires                    | None                    |
| Conductor material             | Copper                  |
| Type of conductor              | Circular, stranded      |
| Insulation                     | PVC                     |
| Screen                         | Copper wire             |
| Outer sheath                   | PVC                     |
| Colour                         | -                       |
| Conductor flexibility          | -                       |
| Conductor shape                | -                       |
| Core identification            | Red, White, Blue, Black |
| With Green/Yellow core         | No                      |
| With smaller neutral conductor | No                      |

### Dimensional characteristics

|                                          |                    |
|------------------------------------------|--------------------|
| Number of cores                          | 4                  |
| Conductor cross-section                  | 10 mm <sup>2</sup> |
| Nominal overall diameter                 | 22.6 mm            |
| Nominal overall diameter                 | -                  |
| Gland Size (A2 or A2F)                   | 32                 |
| Gland Size (CX/Z)                        | 25                 |
| Nominal outer sheath thickness           | 3.2 mm             |
| Approximate weight                       | 0.88 kg/m          |
| Neutral conductor section (when smaller) | - mm <sup>2</sup>  |

### Electrical characteristics

|                                                   |                 |
|---------------------------------------------------|-----------------|
| Max. DC resistance of the conductor at 20°C       | 1.83 Ohm/km     |
| Permissible short circuit current conductor 1s    | - kA            |
| Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> ) | 0.6/ 1 (1.2) kV |

### Mechanical characteristics

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

### Usage characteristics

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

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## CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - THREE & FOUR CORE PVC NEUTRAL

Copper conductor Circular stranded Insulation PVC Max. Conductor Temperature 75C

| Conductor cross-section<br>[mm²]                                                                                         |  Cu                        |  Cu |  Cu                                                     |  Cu |  Cu |  Cu |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 10                                                                                                                       | 62                                                                                                          | 58                                                                                   | 50                                                                                                                                       | 61                                                                                     | 61                                                                                     | 29                                                                                     |
|  Air Spaced from Surface,<br>Unenclosed |  Air touching, unenclosed  |                                                                                      |  Air enclosed                                          |                                                                                        |                                                                                        |                                                                                        |
|  Buried direct                          |  Buried in single-way duct |                                                                                      |  Cable surrounded by thermal<br>insulation, unenclosed |                                                                                        |                                                                                        |                                                                                        |