

ENVIROLEX® TPS (LSZH Non-migratory)

CU TPS RHE-1 2X 1.5+E ENVIRO LTGN 1HM

Contact

Sales and Customer Solutions
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Nexans Ref.: CTCP05J1002GGHF

Country Ref.: 1462.1

Cu conductors, X-90 insulation, Green HFS-90-TP sheath. 450/750 V. Made to AS/NZS 5000.2

DESCRIPTION

Application

- For general power and lighting construction purposes with higher fire performance capability.
- Domestic, commercial and industrial applications where lead and halogen free products are required. Suitable for "green" building installations.
- Fixed applications.
- Low smoke halogen free compound (LSZH).
- This product is non migratory. It can be in contact with other plastic compounds such as polyester and polystyrene without any adverse effects.



STANDARDS

National AS/NZS 5000.2

CHARACTERISTICS

Construction characteristics

With Green/Yellow core	Yes
Conductor material	Copper
Insulation	X-90
Outer sheath	HFS-90-TP
With smaller neutral conductor	No

Dimensional characteristics

Number of cores	2
Conductor cross-section	1.5 mm ²
Earth conductor cross section	1.5 mm ²
Nominal overall diameter	10.0 x 4.6
Approximate weight	0.07 kg/m
Neutral conductor section (when smaller)	- mm ²

Electrical characteristics

Conductor AC resistance at 50 Hz	- Ohm/km
Inductive reactance at 50Hz	- Ohm/km
Insulation resistance at 20°C	- MOhm.km
Max. DC resistance of the conductor at 20°C	13.6 Ohm/km
Rated Voltage U ₀ /U	450/750 V
Rated Voltage U ₀ /U (U _m)	450 / 750 V

Mechanical characteristics

Cable flexibility	Rigid
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Usage characteristics

Max. conductor temperature in service	90 °C
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All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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The Nexans logo, featuring a stylized red 'N' followed by the word 'nexans' in a black, lowercase, sans-serif font.

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Usage characteristics

Minimum operating temperature

-25 °C

Smoke density

-

CURRENT CARRYING CAPACITIES SINGLE PHASE (IN AMPS) - ENVIROLEX, TWO CORE PLUS EARTH

Copper conductor - Flexible Copper Construction Insulation X-HF-90 Max. Conductor Temperature 90C

Conductor cross-section [mm²]						
1.5	Cu 26	Cu 24	Cu 22	Cu 26	Cu 26	Cu 12
 Air Spaced from Surface, Unenclosed	 Air touching, unenclosed		 Air enclosed			
 Buried direct	 Cable surrounded by thermal insulation, unenclosed		 Buried in single-way duct			