ENVIROLEX® TPS (LSZH Non-migratory)

CU TPS RHE-1 2X 4+E ENVIRO LTGN 5HM

Contact
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Nexans Ref.: CTCP09J5002GGHF
Country Ref.: 3334.5

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, commerical 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
Conductor flexibility	Class 2
Conductor shape	Circular
With smaller neutral conductor	No
Dimensional characteristics	
Number of cores	2
Conductor cross-section	4 mm²
Earth conductor cross section	2.5 mm²
Nominal overall diameter	13.4 x 6.2
Approximate weight	0.15 kg/m
Neutral conductor section (when smaller)	- mm²
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	4.61 Ohm/km
Rated Voltage Uo/U	450/750 V
Rated Voltage Uo/U (Um)	450 / 750 V
Mechanical characteristics	
Cable flexibility	Rigid

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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Usage characteristics	
Max. conductor temperature in service	90 °C
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]	Cu	Cu	Cu	Cu	Cu	Cu
4	50	46	41	48	48	23

 Air Spaced from Surface, Unenclosed

 Air touching, unenclosed

 Air enclosed

 Buried direct

 Cable surrounded by thermal insulation, unenclosed

 Buried in single-way duct

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