



AC 117

APPENDIX TO THE CERTIFICATE OF CONFORMITY**No. 053/2021****Issue No. 01 of 2021.07.12****LIST OF EVIDENCED PARAMETERS**

Outdoor termination type	TLP-N-CX3, TLP-N-CX3/750, TLP-N-CX3/1000 TLP-N-CX4, TLP-N-CX4/750, TLP-N-CX4/1000
Rated voltage U_0/U (U_m)	0,6 / 1,0 (1,2) kV
Mounting instruction and material specification ¹⁾ for cables	Outdoor termination:
3-core:	TLP-N-CX3, TLP-N-CX3/750, TLP-N-CX3/1000
4-core:	TLP-N-CX4, TLP-N-CX4/750, TLP-N-CX4/1000
Conductor cross-section ²⁾³⁾	
Cu, Al (RM, RE)	16 mm ²
Cu, Al, (SE, RE, SM, RM)	(25 – 240) mm ²
Type tested acc. EN 50393: 2015-03, Table 5	D1 test sequence for outdoor termination of type II
Impulse voltage withstand at ambient temperature	8 kV for conductor cross-section ≤ 50 mm ² 20 kV for conductor cross-section > 50 mm ²
AC voltage withstand	
4 x U for 1 min (in air)	No failure
4 x U for 1 min (immersed)	No failure
Heating cycle in air, temperature 95...100 °C	63 cycles (5h/3h)
Heating cycle in water, (water head of 1000 mm): temperature 95...100 °C	63 cycles (5h/3h)
Insulation resistance (immersed) (water head of 1000 mm): voltage of 1 kV DC during 3 min	≥ 50 M Ω

NOTES:**1. ¹⁾ Material specification of outdoor terminations:**

- for 3-core cables: of types TLP-N-CX3, TLP-N-CX3/750, TLP-N-CX3/1000 of identity numbers 1713, 1713.1, 1713.2
- for 4-core cables: of types TLP-N-CX4, TLP-N-CX4/750, TLP-N-CX4/1000 of identity numbers 1711, 1711.1, 1711.2



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2. ²⁾ According to EN 50393: 2015, p. 6.2.3
3. ³⁾ Type tested according to EN 50393: 2015. In terms of conductors admissible for testing, the EN 50393: 2015 p. 7.2 standard refers to the HD 603 standard or other relevant cable standards.
4. Conductor connectors used with terminations shall comply with EN 50393: 2015-03, p. 4.1





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CERTIFICATE OF CONFORMITY

No. 053/2021

Issue No. 01 of 2021.07.12

*Name and address of
the certificate holder:*

**RADPOL S.A.
ul. Batorego 14
77-300 Człuchów, Poland**

Name of the product:

Outdoor termination

Type:

**TLP-N-CX3, TLP-N-CX3/750, TLP-N-CX3/1000
TLP-N-CX4, TLP-N-CX4/750, TLP-N-CX4/1000**

Manufacturer:

**RADPOL S.A.
ul. Batorego 14
77-300 Człuchów, Poland**

*Parameters and
application of the product:*

**According to appendix
For terminating low voltage 3-, 4-core cables 0,6/1 (1,2) kV with
extruded insulation, of type N(A)YY-J, N(A)YY-O**

*The product meets
requirements of:*

EN 50393:2015

*According to the
report made by:*

Instytut Energetyki

*Number of the
type test report:*

**EWP/57/E/2020-1, EWP/57/E/2020-2, EWP/57/E/2020-3,
EWP/57/E/2020-4, EWP/57/E/2020-5**

Period of validity:

from 12th of July 2021 until 11th of July 2024

The right to use the certificate of conformity within its validity period applies only to:

- these copies that meet the requirements specified above and have the same characteristics (parameters) as the model / product samples submitted for testing,
- certificate holder or his authorized representative.

The list of evidenced parameters is included in the appendices to the certificate of conformity.

Number of appendices: 1

**THE SYSTEM OF PRODUCT CERTIFICATION PC_1a (Program 1a acc. to PN-EN ISO/IEC 17067:2014-01)
(product parameters confirmed by type tests)**



**DIRECTOR OF
INSTYTUT ENERGETYKI**

Tomasz Gałka
dr hab. inż. Tomasz Gałka, prof. IEn

Warsaw, 2021.07.12