

CERTIFICATE

TÜV NORD CERT Standard TN-CC 020 “Calculation & Verification of Carbon Footprints & Carbon Neutrality”

Evidence of conformity with the above standard has been furnished and is certified in accordance with TÜV NORD CERT procedures for

Elsewedy Cables
A3 Industrial Zone
10th Ramadan
Al Sharqia, 44629
Egypt

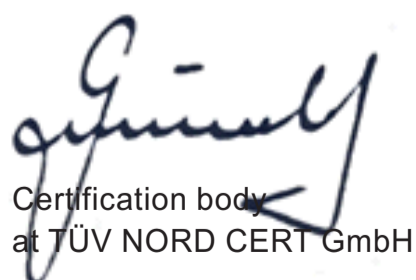


The calculation of carbon footprint encompasses the emission from manufacture of the cables in terms of the raw materials, upstream and downstream transportation and manufacturing processes

Based on the performed assessment it can be stated that the calculation meets the requirements of the standard ISO 14067, which is the basis of the calculation and TN-CC 020, which has been used for the certification standard.

Certificate Registration No. 44 811 191730
Audit Report No. 3525 4752

Reporting Period:
Valid from 2018-01-01
Valid until 2018-12-31

A handwritten signature in black ink, appearing to read "Günther", is written over the text "Certification body at TÜV NORD CERT GmbH".

Certification body
at TÜV NORD CERT GmbH

Essen, 2020-06-29

ANNEX

to Certificate Registration No. 44 811 191730
 TÜV NORD CERT Standard TN-CC 020
 “Calculation & Verification of Carbon Footprints & Carbon Neutrality”

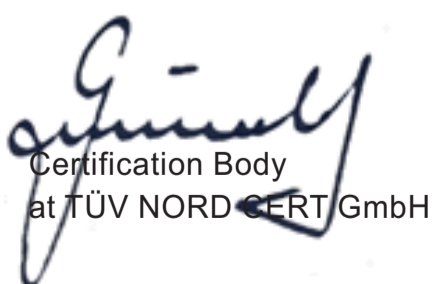
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TÜV NORD CERT GmbH, acting as an independent Certification Body and to a limited level of assurance, can confirm the carbon footprint of the fifteen cables to be as follows:

No	Size (mm)	Voltage	Cable Description	Total emission of 1 meter (kgCO ₂ e)
1	1X25	600 V	Cu/XLPE	19.26
2	1X120	8.7/15 (17.5) kV	Cu/XLPE/CWS/PE	129.95
3	1X240	0.6/1 (1.2) kV	Cu/XLPE/PVC	170.54
4	1X240	15/25 (31) kV	Cu/XLPE/CWS/PE	258.20
5	1X630	15/25 (31) Kv	AL/XLPE/CWS/PE	289.16
6	3X1X185	8.7/15 (17.5) kV	AL/XLPE/CWS/PE	362.62
7	3X1X240	20/34 (38) kV	AL/XLPE/CWS/PE	538.84
8	1X25	0.6/1 (1.2) Kv	AL/XLPE/PE	12.69
9	1X150	0.6/1 (1.2) kV	Cu/XLPE/PVC	109.97
10	1X240	12/20 (24) Kv	AL/XLPE/LAT/PE	125.08
11	1X400	18/30 (36) kV	AL/XLPE/LAT/PO	215.099
12	1X400	18/30 (36) kV	AL/XLPE/LAT/PO	191.55
13	50	_____	Hard Drawn Copper Conductor	32.27
14	95	_____	Hard Drawn Copper Conductor	61.03
15	1X400	7.6/13.2 (15.8) kV	AL/XLPE/CWS/PVC	211.43

End of the list



Certification Body
 at TÜV NORD CERT GmbH

Essen, 2020-06-29