

# CERTIFICATE

No.: 04-10  
(CADIVI 01-2020)

This is to certify that:

**ELECTRIC CABLES**

( Details in the annex attached with certificate)

Trademark: **CADIVI**

Type: Details in the annex attached with certificate

Applied technical standard: Details in the annex attached with certificate

Manufactured at:

**VIETNAM ELECTRIC CABLE CORPORATION**

**Office Address:** No. 70-72 Nam Ky Khoi Nghia Street, Nguyen Thai Binh Ward,  
District 1, Ho Chi Minh City

**Manufacturing Address:** Lot D1-3, Dai Dong Industrial Zone, Hoan Son  
Commune, Tien Du District, Bac Ninh Province

**Comply with the Vietnamese National Technical Regulation:**

**QCVN 4:2009/BKHCN AND AMENDMENT 1:2016 QCVN 4:2009/BKHCN  
AND APPROVED TO BEAR CR MARK (CR)**

Certification scheme: **Scheme 5**

(Circular No. 28/2012/TT-BKHCN dated December 12<sup>th</sup> 2012 and Circular No. 02/2017/TT-  
BKHCN by Ministry of Science and Technology)

**This certificate remains valid from June 11<sup>th</sup> 2020 to June 10<sup>th</sup> 2023**



Issuance date: 11/06/2020



DIRECTOR

**Nguyen Thai Hung**



LIST OF CERTIFIED CADIVI POWER ELECTRIC CABLES IN COMPLIANCE WITH THE TECHNICAL REGULATION

QCVN 4:2009/BKHCN AND AMENDMENT 1:2016 QCVN 4:2009/BKHCN

(Attached the certificate No. 04-10 (CADIVI 01- 2020), dated 11/6/2020)



No.	Product	Type	Rated Voltage	Nominal cross sectional area of conductor (mm <sup>2</sup> )	Applied technical standard	Applied technical requirement
1	Power cables with extruded insulation for rated voltages 0,6/1kV	CVV; CVV/AWA; CVV/SWA; CVV/DATA; CVV/DSTA; DVV; DVV/AWA; DVV/SWA; DVV/DATA; DVV/DSTA; DVV/Sc; DVV/Sc/AWA; DVV/Sc/SWA; DVV/Sc/DATA; DVV/Sc/DSTA; DVV/Sa; DK-CVV; CXV; CXV/AWA; CXV/SWA; CXV/DATA; CXV/DSTA; DXV; DXV/AWA; DXV/SWA; DXV/DATA; DXV/DSTA; DXV/Sc; DXV/Sc/AWA; DXV/Sc/SWA; DXV/Sc/DATA; DXV/Sc/DSTA; DXV/Sa; DK-CXV; AVV; AVV/AWA; AVV/SWA; AVV/DATA; AVV/DSTA; DK-AVV; AXV; AXV/AWA; AXV/SWA; AXV/DATA; AXV/DSTA; DK-AXV (Water blocked characteristic: /WB; /WBC; /WBCS; /WBCSF )	0,6/1 kV	16; 25; 35; 50; 70; 95; 120; 150; 185; 240; 300; 400; 500; 630; 800; 1000	TCVN 5935-1:2013 (IEC 60502-1:2009)	<ul style="list-style-type: none"> <li>• Electrical resistance of conductors</li> <li>• Insulation / sheath thickness</li> <li>• Insulation resistance</li> <li>• Voltage test</li> <li>• Mechanical properties of insulation / sheath before and after ageing</li> </ul>

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No.	Product	Type	Rated Voltage	Nominal cross sectional area of conductor (mm <sup>2</sup> )	Applied technical standard	Applied technical requirement
2	Fire resistant Power cables for rated voltages 0,6/1kV	CVV/FR; CVV/FR; CVV/DSTA/FR; CVV/DSTA/FR; CVV/AWA/FR; CVV/AWA/FR; CVV/SWA/FR; CVV/SWA/FR; CXV/FR; CXV/FR; CXV/DSTA/FR; CXV/DSTA/FR; CXV/AWA/FR; CXV/AWA/FR; CXV/SWA/FR; CXV/SWA/FR	0,6/1 kV	16; 25; 35; 50; 70; 95; 120; 150; 185; 240; 300; 400; 500; 630; 800; 1000	TCVN 5935-1:2013 (IEC 60502-1:2009)	<ul style="list-style-type: none"> <li>• Electrical resistance of conductors</li> <li>• Insulation / sheath thickness</li> <li>• Insulation resistance</li> <li>• Voltage test</li> <li>• Mechanical properties of insulation / sheath before and after ageing</li> </ul>
3	Fire resistant low smoke halogen free power cables for rated voltages 0,6/1kV	CXE/FR-LSHF; CXE/FR-LSHF; CXE/DSTA/FR-LSHF; CXE/DSTA/FR-LSHF; CXE/AWA/FR-LSHF; CXE/AWA/FR-LSHF; CXE/SWA/FR-LSHF; CXE/SWA/FR-LSHF; CXE/DSTA/FR-LSHF; CXE/DSTA/FR-LSHF	0,6/1 kV	16; 25; 35; 50; 70; 95; 120; 150; 185; 240; 300; 400; 500; 630; 800; 1000	TCVN 5935-1:2013 (IEC 60502-1:2009)	
4	Flame retardant power cables for rated voltages 0,6/1 kV	CVV/FRT; CVV/FRT; CVV/DSTA/FRT; CVV/DSTA/FRT; CVV/AWA/FRT; CVV/AWA/FRT; CVV/SWA/FRT; CVV/SWA/FRT; DVV/FRT; DVV/FRT; DVV/DSTA/FRT; DVV/DSTA/FRT; DVV/AWA/FRT; DVV/AWA/FRT; DVV/SWA/FRT; DVV/SWA/FRT; DVV/Sc/FRT; DVV/Sc/FRT; Sc/DSTA/FRT; Sc/DSTA/FRT; Sc/AWA/FRT; Sc/AWA/FRT; DVV/ Sc/SWA/FRT; DVV/ Sc/SWA/FRT; CXV/FRT; CXV/FRT; CXV/DSTA/FRT; CXV/DSTA/FRT; CXV/AWA/FRT; CXV/AWA/FRT; CXV/SWA/FRT; CXV/SWA/FRT	0,6/1 kV	16; 25; 35; 50; 70; 95; 120; 150; 185; 240; 300; 400; 500; 630; 800; 1000	TCVN 5935-1:2013 (IEC 60502-1:2009)	



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No.	Product	Type	Rated Voltage	Nominal cross sectional area of conductor (mm <sup>2</sup> )	Applied technical standard	Applied technical requirement
		DXV/FRT; DXV/DATA/FRT; DXV/DSTA/FRT; DXV/AWA/FRT; DXV/SWA/FRT;  DXV/Sc/FRT; DXV/ Sc/DATA/FRT; DXV/ Sc/DSTA/FRT; DXV/ Sc/AWA/FRT; DXV/ Sc/SWA/FRT				
5	Flame retardant low smoke halogen free power cables for rated voltages 0,6/1 kV	CXE/FRT-LSHF; CXE/DATA/FRT-LSHF; CXE/AWA/FRT-LSHF; CXE/SWA/FRT-LSHF; CXE/DSTA/FRT-LSHF	0,6/1 kV	16; 25; 35; 50; 70; 95; 120; 150; 185; 240; 300; 400; 500; 630; 800; 1000	TCVN 5935-1:2013 (IEC 60502-1:2009)	<ul style="list-style-type: none"> <li>• Electrical resistance of conductors</li> <li>• Insulation / sheath thickness</li> <li>• Insulation resistance</li> <li>• Voltage test</li> <li>• Mechanical properties of insulation / sheath before and after ageing</li> </ul>
6	Cross-linked polyethylene insulated - aerial bundled electric cables for working voltages up to and including 0,6/1 kV	LV-ABC	0,6/1 kV	16; 25; 35; 50; 70; 95; 120; 150	TCVN 6447:1998	<ul style="list-style-type: none"> <li>• Electrical resistance of conductors</li> <li>• Insulation thickness</li> <li>• Insulation resistance</li> <li>• Voltage test</li> <li>• Mechanical properties of insulation before and after ageing</li> </ul>
7		LV-ABC	0,6/1 kV	16; 25; 35; 50; 70; 95; 120; 150	AS/NZS 3560.1:2000	<ul style="list-style-type: none"> <li>• Electrical resistance of conductors</li> <li>• Insulation thickness</li> <li>• Insulation resistance</li> <li>• Voltage test</li> <li>• Mechanical properties of insulation before and after ageing</li> </ul>



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No.	Product	Type	Rated Voltage	Nominal cross sectional area of conductor (mm <sup>2</sup> )	Applied technical standard	Applied technical requirement
8	Polymeric insulated electric cables for working voltages up to and including 0,6/1 (1,2) kV	1 core, Class 2 copper conductor, PVC 75 <sup>o</sup> C insulated, non-sheathed cables - CV; CV/FRT; CV/FR	0,6/1 kV	16; 25; 35; 50; 70; 95; 120; 150; 185; 240; 300; 400; 500; 630	AS/NZS 5000.1:2005	<ul style="list-style-type: none"> <li>• Electrical resistance of conductors</li> <li>• Insulation thickness</li> <li>• Insulation resistance</li> <li>• Voltage test</li> <li>• Mechanical properties of insulation before and after ageing</li> </ul>
9		2; 3; 4; 5 cores, class 2 copper conductor, PVC 75 <sup>o</sup> C insulated, non-sheathed cables - DuCV; TrCV; QuCV; MuCV	0,6/1 kV	16; 25; 35; 50; 70; 95		
10		1 core, Class 2 aluminium conductor, PVC 75 <sup>o</sup> C insulated, non-sheathed cables - AV	0,6/1 kV	10; 16; 25; 35; 50; 70; 95; 120; 150; 185; 240; 300; 400; 500		
11		2; 3; 4; 5 cores, class 2 aluminium conductor, PVC 75 <sup>o</sup> C insulated, non-sheathed cables - DuAV; TrAV; QuAV; MuAV	0,6/1 kV	10; 16; 25; 35; 50; 70; 95		

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No.	Product	Type	Rated Voltage	Nominal cross sectional area of conductor (mm <sup>2</sup> )	Applied technical standard	Applied technical requirement
12	Bare wires for overhead power lines	Copper conductor (C, M); Aluminum conductor (A); Aluminum conductor, Steel Reinforced (As, AC, ACSR, ACSR/Lz, ACSR/Mz, ACSR/Hz, ACKP)	-	<ul style="list-style-type: none"> <li>• Copper conductor: 4; 6; 10; 16; 25; 35; 50; 70; 95; 120; 150; 185; 240; 300; 400</li> <li>• Aluminum conductor: 16; 25; 35; 50; 70; 95; 120; 150; 185; 240; 300; 400</li> <li>• Aluminum conductor, Steel Reinforced: 10/1,8; 16/2,7; 25/4,2; 35/6,2; 50/8; 70/11; 70/72; 95/16; 95/141; 120/19; 120/27; 150/19; 150/24; 150/34; 185/24; 185/29; 185/43; 185/128; 240/32; 240/39; 240/56; 300/39; 300/48; 300/66; 300/67; 300/204; 330/30; 330/43; 400/18; 400/22; 400/51; 400/64; 400/93</li> </ul>	TCVN 5064:1994 & TCVN 5064:1994/SĐ 1:1995	<ul style="list-style-type: none"> <li>• Electrical resistance of conductors</li> </ul>

