







DATA SHEET FOR LOW VOLTAGE AND CONTROL CABLE HP02-00-EL-DAS-0005

A	6-Nov-23	Issue for Review		N.M.A	N.T.T	N.T.S	V.L.T
REV. NO.	DATE	DESCRIPTION		PREP'N	CHECK	REVIEW	APPROVAL
REV. NO.	DISCIPLINE	PREPARATION	CHECK	REVIEW		APPROVAL	
A	ELECTRICAL						
		N.M.A	N.T.T	N.T.S		V.L.T	



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PTSC
THANH HOA

		HAI PHONG 2 PROJECT DATA SHEET FOR LOW VOLTAGE AND CONTROL CABLE			
CLIENT: Wrong company name		DOC. NO: HP02-00-EL-DAS-0005			
PROJECT: HAI PHONG 2 PROJECT		REV. NO: A			
LOCATION: DVIZ - HAI PHONG		PAGE: 3 OF 5			
LOW VOLTAGE CABLE Cu/XLPE/SWA/PVC					
I GENERAL					
1	Device & model:	N/A			
2	Manufacturers:	(VTC)			
3	Country of Origin:	EU/G7 °C			
II SERVICE CONDITION					
1	Installation location	Indoor and outdoor			
2	Max ambient Air Temp (outdoor):	40 ⁰ C			
3	Min ambient Air Temp (outdoor):	-5 ⁰ C			
4	Relative Humidity:	90%			
5	Design temperature	45 ⁰ C			
III CABLE DATA					
1	Standards	IEC 60502			
2	Rated system voltage	0.6/1kV			
3	Rated system frequency	50Hz			
4	Conductor material	Stranded annealed copper			
5	Cross section area	(as per requirement in MTO)			
6	Number of core	Multi cores (as per requirement in MTO)			
7	Resistance at 20 ⁰ C (ohm/km)	VTA			
8	Reactance @20°C (ohm/km)	VTA			
9	Current carry capacity (A)	VTA			
10	Inner Diameter	VTA			
11	Overall Diameter	VTA			
12	Bending radius (min)	VTA			
13	Insulation material	XLPE			
14	Insulation screen	VTA			
15	Metallic armored	SWA (steel wire armoured)			
16	Outer sheath material	PVC			
17	Water permeantion (outer sheath and bedding)	Suitable for direct burial			
18	Permissible operating conductor temperature	90 ⁰ C			
19	Weight and standard length	VTA			
20	Core color code identification				
	3 Cores, 3-phases	Black, Brown, Grey			
	3 Cores, 1-phase	Brown, Blue (neutral) & Green/ Yellow (earth)			
	4 Cores	Black, Brown, Grey, Blue			
	Outter sheath color	Black			



Note:

- Outer cable insulation with flame retardant, anti-termite, and anti-rodent type.
 - The contractor and related parties must re-check the suitability of equipment and materials for the project before placing an order or construction.
- VTC: Vendor To Confirm
VTA: Vendor To Advised
N/A: Not Applicable

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LOCATION: DVIZ - HAI PHONG		PAGE: 4 OF 5			
CONTROL CABLE					
I GENERAL					
1	Device & model:	N/A			
2	Manufacturers:	(VTC)			
3	Country of Origin:	EU/G7			
II SERVICE CONDITION					
1	Installation location	Indoor and outdoor			
2	Max ambient Air Temp (outdoor):	40 ⁰ C			
3	Min ambient Air Temp (outdoor):	-5 ⁰ C			
4	Relative Humidity:	90%			
5	Design temperature	45 ⁰ C			
III CABLE DATA					
6	Standards	IEC 60502			
1	Rated system voltage	300/500V			
2	Rated system frequency	50Hz			
3	Conductor material	Stranded annealed copper			
4	Cross section area	(as per requirement in MTO)			
5	Number of core	Multi cores (as per requirement in MTO)			
6	Resistance at 20 ⁰ C (ohm/km)	VTA			
7	Reactance @20 ⁰ C (ohm/km)	VTA			
8	Current carry capacity (A)	VTA			
9	Inner Diameter	VTA			
10	Overall Diameter	VTA			
11	Bending radius (min)	VTA			
12	Insulation material	PVC			
13	Cable type	CVVV			
14	Shield	YES			
15	Outer sheath material	PVC			
16	Water permeantion (outer sheath and bedding)	Suitable for direct burial			
17	Permissible operating conductor temperature	70 ⁰ C			
18	Weight and standard length	VTA			
19	Core code identification	Numbering			

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EARTHING CABLE Cu/PVC					
I GENERAL					
1	Device & model:		N/A		
2	Manufacturers:		(VTC)		
3	Country of Origin:		EU/G7		
II SERVICE CONDITION					
1	Installation location		Indoor and outdoor		
2	Max ambient Air Temp (outdoor):		40°C		
3	Min ambient Air Temp (outdoor):		-5°C		
4	Relative Humidity:		90%		
5	Design temperature		45°C		
III CABLE DATA					
1	Standards		IEC 60502		
2	Rated system voltage		0.6/1kV		
3	Rated system frequency		50Hz		
4	Conductor material		Stranded annealed copper		
5	Cross section area		(as per requirement in MTO)		
6	Number of core		Single core		
7	Resistance at 20°C (ohm/km)		VTA		
8	Reactance @20°C (ohm/km)		VTA		
9	Current carry capacity (A)		VTA		
10	Inner Diameter		VTA		
11	Overall Diameter		VTA		
12	Bending radius (min)		VTA		
13	Insulation material		N/A		
14	Insulation screen		N/A		
15	Metallic armored		N/A VTA		
16	Outer sheath material		PVC		
17	Water permeation (outer sheath and bedding)		Suitable for direct burial		
18	Permissible operating conductor temperature		70°C		
19	Weight and standard length		VTA		
20	Core color code identification		Green with yellow stripe (for Earthing cable)		

Note:

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