

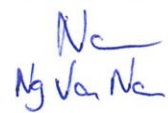


SPECIFICATION

FOR

LEAD FREE MULTI CORES CABLE




P/N: CO-VV (SPV1712) nx1.25SQ(50/0.18TA) LF

n ~ number of core

Prepared	Checked	Approved
 Ng Van Na 16/08/2021		

Hitachi Cable Vietnam Co., Ltd

Revision record

No.	Date	Rev.	Contents	Prepared by	Reviewed by	Approved by
1	Aug. 06 th , 2021	Initial Issue	Initial Issue	 Nam.NV	 Cuong.NM	 Suzuki.M

1. Scope

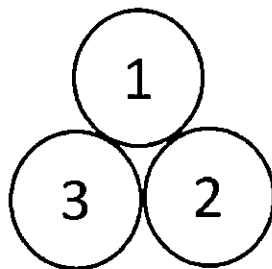
This specification covers lead free PVC insulated and jacketed cables.

Rating Temperature: 80°C

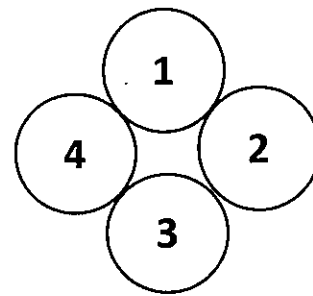
Rating Voltage: 30V

2. Construction and Material

Description			Specification	
			3x1.25SQ	4x1.25SQ
Conductor	Material	-	Tinned annealed copper wire (TA) stranded	
	Size	SQ	1.25	
	Stranding	No./mm	50/0.18	
	Diameter (Nom.)	mm	1.47	
Insulation	Material	-	Semi-rigid, Lead free PVC	
	Thickness (Nom.)	mm	0.41	
	Diameter (Nom.)	mm	2.29	
	Color & Identification	-	1. Black; 2. Brown; 3. Green/2Yellow	1. Black; 2. Brown; 3. Red; 4. Green/2Yellow
Cabling	Binder tape	-	Paper tape	
	Diameter (Nom.)	mm	5.05	5.64
Jacket	Material	-	Heat resistance, Lead free PVC	
	Thickness (Nom)	mm	0.81	
	Diameter	mm	6.7 ± 0.5	7.3 ± 0.5
	Color (color code)	-	Black (BK)	

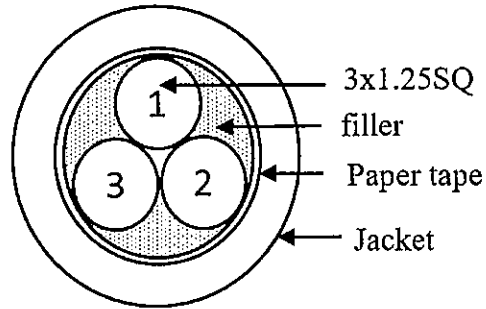


3 Core



4 Core

Fig. 1: Layout of cabling

Example for 3x1.25SQ

(*) Suitable fillers may be applied to make a circular cross section.

Fig. 2 Cross-section of cable

3. Marking

The completed cable shall be printed following marking format on the surface throughout entire length by regular interval

Example:

HITACHI Manufacture year

Note: Marking format subject to change without notice according with safety revision

4. Properties

No.	Test Item	Test Detail	Standard	Test		
				Routine	Type	Approval
1	Dielectric strength	A.C. 2000V/1min; No breakdown	Specification	Yes	X	Yes
2	Conductor resistance	Max. 15.0 Ω /km at 20°C	Specification	X	Yes	Yes
3	Insulation resistance	Min. 10 M Ω -km at 20°C	Specification	X	Yes	Yes

5. Packing

5.1 Packing

Each product shall be packed in coil for transportation, and unit length: 100m.

5.2 Marking on the Package

Each package shall be tagged to show the following information

- | | |
|----------------------|---------------------------|
| (1) Production name. | (5) Lot No. |
| (2) Conductor size | (6) Length |
| (3) No of conductor | (7) Date of manufacturing |
| (4) Color | (8) Name of manufacturer |

6. Order form

Example for 3x1.25SQ

CO - VV (SPV1712) 3x1.25SQ(50/0.18TA) LF BK C100

1 2 3 4 5 6 7

1	CO	For Computer
2	VV	PVC insulation and jacket
3	SPV1712	Specification No. SPV-02-1712
4	3x1.25SQ(50/0.18TA)	No. of core x Conductor size & stranding
5	LF	Lead Free
6	BK	Jacket Color (Black)
7	C100	Packing style and unit length, "C" for coil in m

7. Control of Chemical Substances

Control of Chemical Substances in this product shall be controlled as below.

10 substances of RoHS Directive

(1) Applicable standard and statute

- (a) Directive 2011/65/EU of the European Parliament and of the Council on the Restriction of the use of certain Hazardous Substances in electrical and electronic equipment)
- (b) 2005/618/EC COMMISSION DECISION of 18 August 2005 (amending Directive 2011/65/EU of the European Parliament and of the Council for the purpose of establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment)
- (c) JIS C 0950:2008(The marking for presence of the specific chemical substances for electrical and electronic equipment)

(2) The maximum concentration values for certain hazardous substances.

No	Chemical Substances	Concentration value
1	Cadmium and Cadmium Compounds	Less than 100 ppm
2	Hexavalent Chromium Compounds	Less than 1000ppm
3	Lead and Lead Compounds	Less than 1000ppm
4	Mercury and Mercury Compounds	Less than 1000ppm
5	Polybrominated Biphenyls (PBBs)	Less than 1000ppm
6	Polybrominated Diphenyl ethers (PBDEs)	Less than 1000ppm
7	Bis (2-ethylhexyl) phthalate (DEHP) * 1 (CAS No.117-81-7)	Less than 1000ppm
8	Benzyl butyl phthalate (BBP) * 1(CAS No. 85-68-7)	Less than 1000ppm
9	Dibutyl phthalate (DBP) (CAS No. 84-74-2) * 1	Less than 1000ppm
10	Diisobutyl phthalate (DIBP) * 1 (CAS No. 84-69-5)	Less than 1000ppm

*1 : COMMISSION DELEGATED DIRECTIVE (EU) 2015/863