

SPECIFICATION

1. Scope:

This specification is applied to CCEE & VDE PVC jacket cord.

2. Construction & size:

Cord type:H05VV-F,

Voltage rating:300/500,

Max temperature:70°C,

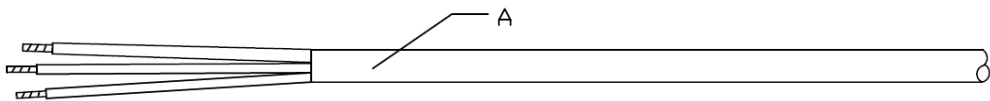
File no.:CB No.39311

No.of conductor:3

Conductor			PVC insulation			PVC jacket		
Area mm ²	No/size mm	O.D. mm	Min.average thickness mm	Min thickness at any point mm	O.D. mm	Min.average thickness mm	Min thickness at any point mm	O.D. mm
1.5	30/0.25	1.6	0.7	0.53	2.9±0.2	0.9	0.67	7.4-9.4

Conductor:Bare annealed copper wire

3. Marking:



A: MAN SHING H05VV-F 3G1.5mm² <VDE> KEMA-KEUR+~+~+~ IEMMEQU CEBEC
<öVE> (N) (D) (S) (FI) NF-USE-1307 IEC227

4.Color:

ITEM	Live core insulation	Neutral core insulaton	Earth core insulation	Jacket
COLOR	brown	blue	Green/yellow	As requested

4. Electrical properties:

ITEM		RESULT
Dielectric-strength test	Immersed in water 20±5 °C/24 hrs	All specimens shall withstand 2000v for 15 minutes without break down
Spark test		All specimens shall withstand 4000v for 0.15 minutes without break down
Insulation resistance test (70°C)		Not lest than 0.010MΩ/km
Conductor resistance test (70°C)		13.3Ω/km max.

5. Physical properties:

TEST ITEMS			RESULT
Tensile strength and elongation of insulation	Unaged	Tensile-strength	10N/mm ² or 1.02kgf/mm ² Min
		Elongation	150%Min
	Aged in a full draft circulation air oven at aged in a full draft 80°C±2°C/168 hrs	Tensile-strength	Min acceptable ±20% of the result with unaged specimen
		Elongation	Min acceptable ±20% of the result with unaged specimen
Tensile strength and elongation of jacket	Unaged	Tensile-strength	10N/mm ² or 1.02kgf/mm ² Min
		Elongation	150%Min
	Aged in a full draft circulation air oven at aged in a full draft 80°C±2°C/168 hrs	Tensile-strength	Min acceptable ±20% of the result with unaged specimen
		Elongation	Min acceptable ±20% of the result with unaged specimen