

SPECIFICATION

ITEM	VDE TYPE: (0.2X24)2X0.75MM² CAT. NO.: MOULD TYPE	
<p>Cord Specifications</p> <p>1. STYLE</p> <p style="margin-left: 20px;">1 CAT. NO. (0.2X24)2X0.75MM²</p> <p style="margin-left: 20px;">2. RATING</p> <p style="margin-left: 40px;">2.1 RATED VOLTAGE 300/300V</p> <p style="margin-left: 40px;">2.2 RATED TEMP 70°C</p> <p>3. CONSTRUCTION</p> <p style="margin-left: 20px;">3.1 CONDUCTOR</p> <p style="margin-left: 40px;">Number of Conductor 2</p> <p style="margin-left: 40px;">Material Bare copper</p> <p style="margin-left: 40px;">Structure 24/0.2BC</p> <p style="margin-left: 40px;">Nominal Cross Section 0.75mm²</p> <p style="margin-left: 20px;">3.2 JACKET</p> <p style="margin-left: 40px;">Material PVC</p> <p style="margin-left: 40px;">Nominal Thickness 0.8mm</p> <p style="margin-left: 40px;">OVERALL DIMENSION φ5.4*2.6mm</p> <p>4. ELECTRICAL CHARACTERISTIC</p> <p style="margin-left: 20px;">4.1 CONDUCTOR RESISTANCE(At 20°C) : Not more than 26 Ohm/km</p> <p style="margin-left: 20px;">4.2 DIELECTRIC STRENGTH AT : ver 2000VAC/5min.for 10m complete</p> <p style="margin-left: 40px;">RATED TEMPERATURE sample ,Over 1500VAC/5min.for 5m insulate</p> <p style="margin-left: 20px;">METHOD:</p> <p style="margin-left: 40px;">The sample shall be placed in water both of 20 ± 2°C .the terminal source carrying the test Voltage shall be connected of the sample .</p> <p style="margin-left: 20px;">4.3 INSULATION RESISTANCE : 0.011MΩ . km at 70°C</p> <p style="margin-left: 20px;">Method:</p> <p style="margin-left: 40px;">each sample with an alcohol scrub jacket, and then installed on the jacket two apart (102 ± mm coil (0.2 ~ 0.6mm diameter made of copper) as the electrode. After installation, the coil must be cleaned again, the jacket portion between the two coils.</p> <p style="margin-left: 40px;">Then put the sample (20 ± 2) °C temperature (60 ± 5)% relative humidity environment for 24 hours. Treatment ended, applied between two electrodes 100 ~ 500V DC voltage, resistance measurement of power for one minute.</p> <p style="margin-left: 40px;">Measured by the above method the resistance of each sample is multiplied by a/100, a sheath for the circumference of the specimen, in mm. It shall not be less than 109Ω.</p> <p>5. MECHANICAL CHARACTERISTIC</p> <p style="margin-left: 20px;">5.1 TENSILE STRENGTH OF : 10N/mm²</p> <p style="margin-left: 40px;">INSULATION BEFORE AIR AGING</p> <p style="margin-left: 20px;">5.2 TENSILE STRENGTH OF : The variation no more than ±20%</p> <p style="margin-left: 40px;">INSULATION AFTER AIR AGING</p>		

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	(at 80±2°C for 168 hrs)	
5.3	ELONGATION OF INSULATION BEFORE AIR AGING	: 150%
5.4	ELONGATION OF INSULATION AFTER AIR AGING	: The variation no more than ±20%
	(at 80±2°C for 168 hrs)	
5.5	HOT SHOCK TEST FOR INSULATION	: NO crack
	METHOD:	
	Specimens is wound around a mandrel with dia. 9mm for 6 turns and then subjected To a temperature of 150±2°C in a full-draft circulating-air oven for 1 hour.	
5.6	COLD BEND TEST FOR INSULATION	: NO crack
	METHOD:	
	The specimen is subjected to the low temperature -15±2°C for 16 hours and then Wound 6 turns around the mandrel of diameter which equal to between 4 and 5 times Of specimen diameter (i.e.10.2-12.75mm) .	
5.7	TENSILE STRENGTH OF JACKET BEFORE AIR AGING	: 10N/mm ²
5.8	TENSILE STRENGTH OF JACKET AFTER AIR AGING	: The variation no more than ±20%
	(at 80±2°C for 240 hrs)	
5.9	ELONGATION OF JACKET BEFORE AIR AGING	: 150%
5.10	ELONGATION OF INSULATION AFTER AIR AGING	: The variation no more than ±20%
	(at 80±2°C for 168 hrs)	
5.11	HOT SHOCK TEST FOR JACKET	: NO crack
	METHOD:	
	Specimens is wound around a mandrel with dia. 19mm for 4 turns and then subjected to A temperature of 150±2°C in a full-draft circulating-air oven for 1 hour	
5.12	COLD BEND TEST FOR JACKET	: NO crack
	METHOD:	
	The specimen is subjected to the low temperature -15±2°C for 16 hours and then Wound 3 turns around the mandrel of diameter which equal to between 4 and 5 times Of specimen diameter (i.e.28.4-35.5mm) .	
5.13	FLEXING TEST	: no interruption of current and no short circuit
	METHOD :	
	The sample is placed over pulleys of 80 mm , the mass of weight and loading 1.0kg and 1.0A 380VAC . the carrier moves 15000 times backwards and forwards , then a voltage test of 2000 VAC , 5 minutes shall be conducts .	
6.0	OTHER CHARACTERISTIC	

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<p>6.1 FLAME TEST : after burning has ceased , no affection within 50 mm from the lower part of upper clamp .</p> <p>METHOD: The flame is applied to the 600mm long specimen continuously for the duration Determined using the formula $t=60+m/25$.then the removal of the gas burner the flame .</p> <p>---END---</p>		