SPECIFICATION

Natural rubber insulated chloroprene rubber sheathed cable for holder $$WR\,N\,C\,T$$

MITSUBOSHI CO., LTD.

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No. RN-25000	o SPECIF	F I C A T	ION	MITSUBOSHI CO., LTD.		
Name of Manufacture						
Natural	rubber insulated chlorop	orene rubber	sheathed	cable for holder		
Applicable Standards JIS C 3404,J	IS C 3102, JIS C 3152, JIS C 30	005,Electrical	appliance a	nd material safety law		
1. Scope						
	covers quality level of	WRNCT	moinly	to be used on the secondary side		
		WKNCI	IIId 1111 y	to be used on the secondary side		
for holder of arc w	elders.					
2. Construction and ma	cerials					
(Construction)						
Cond	ictor					
Sepa	rator					
Insu	ation					
		\times				
Shea	h					
2.1 Conductor	A stranded wire is compo or the tinned annealed o			er wire specified in JIS C 3102 HIS C 3152.		
2.2 Separator	A suitable separator is	applied on the	conductor.			
2.3 Insulation		The average thickness of the insulation is not less than 90% of the value in Attached Tables. The minimum thickness of the insulation is not less than 80% of the value in				
2.4 Sheath		sheath is not		90% of the value in Attached Tables. 80% of the value in Attached Tables.		

3. Characteristics

Item			Characteristics	Test method		
Appearance			The surface be smooth and there is not a flaw in case of use.	JIS C 3005 4.1		
Construction			It depends on the Attached Table with structure and size.	JIS C 3005 4.3		
Conduct	Conductor resistance		Not more than the value in Attached Table.	JIS C 3005 4.4		
Dielectric withstand voltage (in water)		voltage	Capable of withstanding 1500V for 1min.	JIS C 3005 4.6 a)		
*Tensile properties	Insulation	Tensile strength	Not less than 6Mpa			
		Elongation	Not less than 250%	JIS C 3005 4.16		
	Sheath	Tensile strength	Not less than 13Mpa			
		Elongation	Not less than 300%			
** ¹⁾ Thermal aging	Insulation	Tensile strength	Not less than 50% of the value before heating			
		Elongation	Not 1655 than 60% of the value before heating			
	Sheath	Tensile strength	Not less than 65% of the value before heating	JIS C 3005 4.17		
		Elongation	Not less than 05% of the value before heating			
* ¹⁾ 0il resist- ance	Sheath	Tensile strength	^{*2)} Not less than 60% of the value before oil-	JIS C 3005 4.18		
		Elongation	Immersion			
^{**1)} Flame retardance			To disappear naturally within 60 seconds	JIS C 3005 4.26.2 a)		

※1) The quality characteristic to enforce inspection regularly with an in-house standard.

3 2) For the test piece less than 1mm in thickness, not less than 50%.

4. Marking on cable

The following information is continuously marked on cable.

- 1 The symbol of the cable
- ② Nominal sectional area

③ Manufacture's name or abbreviation

Example: WRNCT 22mm²

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WRNCT 22mm²

5. Length and packaging

According to the Attached Table.

6 .Marking on package

The following information is marked on package.

 $(\ensuremath{\underline{1}})$ The symbol of the cable and nominal sectional area

- ② Length
- ③ Year of manufacture or lot No.
- ④ Manufacture's name

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Size (mm²)	Conductors		Insulation		Sheath	0veral1	Approx.	※)	Standard
	Composition	Outside diameter (approx.) (mm)	Thickness (approx.) (mm)	Outside diameter (approx.) (mm)	Thickness (approx.) (mm)	diameter (approx.) (mm)	mass (kg/km)	Conductor resistance 2 0℃ (Ω/km)	Unit length And packaging
14	7/99/0.16	5.3	0.8	7.0	1.6	10.2	230	1.35 1.44	200m Bundle
22	7/7/22/0.16	6.6	0.8	8.4	1.6	11.6	310	0. 896 0. 944	
30	7/7/30/0.16	7.7	0.8	9.5	1.7	12.9	405	0. 657 0. 692	
38	7/7/38/0.16	8.7	0.8	10.5	1.8	14.1	495	0. 519 0. 546	
50	7/7/50/0.16	10.0	0.8	11.8	2.0	15.8	635	0.394 0.415	2 0 0 m Drum
60	7/7/60/0.16	10.9	0.8	12.7	2.0	16.7	740	0. 328 0. 346	
80	12/7/50/0.16	13.1	1.0	15.3	2.3	19.9	1,050	0.230 0.242	
100	12/7/60/0.16	14.3	1.0	16.5	2.4	21.3	1, 235	0. 192 0. 202	

Attached Table : Construction, Size, Weight, and electric characteristic

 \ref{M}) Upper section: (A) annealed copper wire

Lower section: (TA) tinned annealed copper wire