FLEXIBLE SLEEVING – FIBERGLASS, RESIN COATED

1.0 REQUIREMENTS

1.1 Standards and Practices:

As appear in ASTM D 372 (Latest revision) and as amended herein types 3,5 and 6 are types III, V and VI in ASTM D 372.

1.2 Properties:

Property	Type 3-A	Type 3-B	Type 5-A	Type 5-A Ex	Type 5-A Ex2	Type 6-A
Dielectric Strength, Volts, min, average Volts, min, individual	 7,000 5,000	 4,000 2,500	 7,000 5,000	 7,000 5,000	 18,000 15,000	 7,000 5,000
Heat Aging 96 hrs. at 150°C for Type 3) 96 hrs. at 220°C for Type 5) 96 hrs. at 175°C for Type 6)	No Failure					
Resistance to Potting Temperature, 15 minutes at 225 ± 7°C	Shall not soften, blister or flow sufficiently to reduce above dielectric test values more than 50%					
Transformer Oil Immersion, 24 hrs. 150°C ,(-0°, + 5°C)	No disintegration or swelling.					
Flammability: Seconds, Max. Type 3, ASTM D 867# Type 5, 6, ASTM D372 #, Method B	15	15	45	45	45	45

Latest revision

1.3 Coating:

3A and 3B to be a thermoplastic material such as polyvinyl chloride, capable of operation at 130°C.
5 A to be a silicone elastomer capable of operation at 200°C.
5A-Ex to be a silicone elastomer, applied by extrusion process, capable of operation at 200°C .
5A-Ex2 to be same as 5A-Ex except to be silicone elastomer doubly applied over two fiberglass braids.
6A to be an insulating compound such as some epoxies, polyesters or poly-urethanes capable of operation at 155°C.

Revision: 01	Distribution	Qty.	Approved: 22/3/19 (S P Singh)		
Date: 23/03/2019	TME CIM QCI MDX TXM	1 1 1 1 1	Prepared: (Kunal Dugvekar)	Checked: 23/03/19 (Vikas Rawtiya)	Date: 23/03/2019

1.4 Color :

3A & 3B - Blank, unless otherwise specified on engineering drawing.
5A - White, unless otherwise specified on engineering drawing.
5A-Ex - White, unless otherwise specified on engineering drawing.
5A-Ex2 - Optional, unless otherwise specified on engineering drawing.
6A - Optional, unless otherwise specified on engineering drawing.

1.5 Standard Sizes & Tolerances:

Size	Inside Diameter – Inches	
	Maximum	*Minimum
No. 24	0.027	0.020
No. 22	0.032	0.024
No. 20	0.039	0.032
No. 18	0.049	0.040
No. 17	0.054	0.045
No. 16	0.061	0.051
No. 15	0.067	0.057
No. 14	0.074	0.064
No. 13	0.082	0.072
No. 12	0.091	0.081
No. 11	0.101	0.091
No. 10	0.112	0.102
No. 09	0.124	0.114
No. 08	0.141	0.129
No. 07	0.158	0.144
No. 06	0.178	0.162
No. 05	0.198	0.182
No. 04	0.224	0.204
No. 03	0.249	0.229
No. 02	0.278	0.258
No. 01	0.311	0.289
No. 0	0.347	0.325
No. 00 (3/8")	0.399	0.375
No. 000 (7/16")	0.462	0.438
No. 0000 (1/2")	0.524	0.500
No. 5/8"	0.655	0.625
No. 3/4"	0.786	0.750
No. 7/8"	0.911	0.875
No. 1"	1.036	1.000

*The Minimum inside diameters for sizes 0 to 20 inclusive are the same as the diameters of copper wire for corresponding A.W.G. and B & S. size.

2.0 Reference to PRL/EMD Standards:

This specification is equivalent to EMD Standard EMS 478 or IND 1504.