

**GENERAL COMPLIANCE STATEMENT  
INTERNATIONAL STANDARDS**

**NEMA VE-01, 24TMSS-01, ASTM, NEC, NFPA 70  
ARTICLE 392 AND ANSI**



	<b>CABLE MANAGEMENT SYSTEM DIVISION GENERAL COMPLIANCE STATEMENT</b>	Document #	SAL-PQ-v3.0
		Section #	01
	<b>DAR METAL INDUSTRIA COMPANY</b>	Eff. Date	31-Jan-2021
		Page	1

### GENERAL COMPLIANCE STATEMENT

SR	DESCRIPTION	STANDARDS	REMARKS
<b>GENERAL</b>			
1.	Metallic Cable Tray shall be manufactured in accordance with NEMA VE-01 or equivalent IEC Standard	<b>NEMA VE-01</b>	<b>COMPLY</b>
2.	Metallic Cable Tray shall be designated as a mechanical support for standard approved or raceway and not intended to be a walking for personnel.	<b>NEMA VE-01 24TMSS-01</b>	<b>COMPLY</b>
<b>DESIGN CRITERIA</b>			
3.	Metallic Cable Tray shall have suitable strength and rigidity to provide adequate support without undue sag and shall not have sharp edges, burse or projection that can be damage the cable insulation or jackets	<b>NEMA VE-01</b>	<b>COMPLY</b>
4.	Allowable load capacity of metallic cable tray shall be that static weight of cable plus and allowance of 20% square. A concentrated static load at mid span shall withstand 890 N static loads without collapse.	<b>NEMA VE-01</b>	<b>COMPLY</b>
5.	The metallic cable tray safety factor shall be at least 1.5. The next nearest higher tray designation for NEMA VE-01 shall be selected when the allowable load capacity falls within NEMA range.	<b>NEMA VE-01</b>	<b>COMPLY</b>
6.	Ladder tray shall be prefabricated structure true of two longitudinal side rails. Spacing of rungs shall be 150-225 or 300 mm as per NEMA VE-01	<b>NEMA VE-01</b>	<b>COMPLY</b>



## MATERIALS

7.	<u>Pre-Galvanized Steel:</u> Straight section and covers shall be mill galvanized in accordance with ASTM A653 width coating designation G90	<b>ASTM A653</b>	<b>COMPLY</b>
8.	<u>Hot Dip Galvanized Steel:</u> All metallic cable trays shall be made from structural quality steel and shall be hot dip galvanized after fabrication in accordance with ASTM A123/A123M. Coating grade 65 with an average zinc coating weight of 460 g/m <sup>2</sup> per side or coating thickness of 0.065 mm.	<b>ASTM A123 ASTM A123M ASTM A153</b>	<b>COMPLY</b>
9.	<u>Aluminum:</u> Cable Tray straight section and covers shall be made from Alloy 1050-H24 and Cable Ladder straight section side rail and rungs shall be made from Alloy 6063-T6.	<b>Alloy 1050-H24 Alloy 6063-T6</b>	<b>COMPLY</b>
10	<u>Hardware Finish:</u> Hardware finish shall be electro galvanized zinc as per ASTM B633	<b>ASTM B633</b>	<b>COMPLY</b>
11	<u>Finish Touchup:</u> Zinc rich paint that is used for touchup shall meet the requirement ASTM A780.	<b>ASTM A780</b>	<b>COMPLY</b>

## TEST

12.	<u>Deflection Test:</u> Deflection test Shall be conducted as per NEMA VE-01 and maximum deflection shall be restricted to 12 mm.	<b>NEMA VE-01</b>	<b>COMPLY PLEASE CHECK K.S.U LABORATORY TEST REPORT</b>
13.	<u>Electrical Continuity Test:</u> Electrical continuity test shall be as per NEMA VE-01. The net resistances of the splice connections shall be exceed 330 μΩ (micro ohms).	<b>NEMA VE-01</b>	<b>COMPLY PLEASE CHECK K.S.U LABORATORY TEST REPORT</b>
14.	<u>Galvanized Test:</u> Galvanizing test shall be in accordance with ASTM A90/A90M	<b>ASTM A90 ASTM A90M</b>	<b>COMPLY</b>