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ELECTRICAL CONTINUITY COMPLIANCE OF WMT PRODUCTS

According to IEC standard 61537 (Cable management – Cable tray systems and cable ladder systems); Cable tray systems and cable ladder systems shall have adequate electrical continuity to ensure equipotential bonding and connection(s) to earth if required according to the application of the cable tray system or of the cable ladder system. The calculated impedances shall not exceed 50 mΩ across the joint and 5 mΩ per meter without the joint.

We hereby declare that product and product + coupler piece combination listed below comply with this requirement when assembled according to manufacturer's instructions. No special cables needed for earthing purposes.

- WMT EG
 - o height 30 width 200 upwards
 - o height 50, 100 and 150 all widths
- WMT XPG
 - o height 30 width 200 upwards
 - o height 50, 100 and 150 all widths
- WMT HDG
 - o height 30 width 200 upwards
 - o height 50, 100 and 150 all widths
- WMT HST
 - o height 30 width 200 upwards
 - o height 50, 100 and 150 all widths

MEKA PRO OY



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Table 1. Test results without joint.

Product name	Impedance mΩ / 1,0m
WMT 30-200 EG	3,65
WMT 30-200 HDG and XPG	2,93
WMT 30-300 EG	1,46
WMT 30-300 HST	4,76
WMT 50-70 EG	3,67
WMT 50-70 HDG and XPG	3,16
WMT 50-100 EG	3,50
WMT 50-100 HDG and XPG	3,37
WMT 50-200 EG	2,36
WMT 50-200 HDG and XPG	1,88
WMT 50-300 EG	1,28
WMT 50-300 HST	3,86
WMT 50-400 HDG and XPG	0,91
WMT 100-100 EG	2,10
WMT 100-100 HDG and XPG	2,10
WMT 100-300 EG	1,10
WMT 100-300 HST	3,36

Table 2. Test results with joint.

Product name	Impedance mΩ
WMT 30-200 EG + 2 x UC EG + CL EG	0,73
WMT 30-200 EG + 2 x UC EG + CL EG	0,73
WMT 30-200 HDG and XPG + 2 x UC HDG + CL HDG	4,15
WMT 30-300 HST + 2 x UC HST + CL HST	1,36
WMT 30-300 HST + SC1 HST + 2 x SC2 HST	0,96
WMT 50-100 EG + 2 x UC EG + CL EG	0,58
WMT 50-100 EG + SC1 EG + 2 x SC2 EG	0,48
WMT 50-100 HDG and XPG + 2 x UC HDG + CL HDG	5,06



Product name	Impedance mΩ
WMT 50-100 HDG and XPG + SC1 HDG + 2 x SC2 HDG	12,66
WMT 50-200 EG + 2 x UC EG + CL EG	0,41
WMT 50-200 EG + SC1 EG + 2 x SC2 EG	0,51
WMT 50-200 HDG and XPG + 2 x UC HDG + CL HDG	1,77
WMT 50-200 HDG and XPG + SC1 HDG + 2 x SC2 HDG	11,47
WMT 50-300 HST + 2 x UC HST + CL HST	1,09
WMT 50-300 HST + SC1 HST + 2 x SC2 HST	1,13
WMT 50-400 HDG and XPG + 2 x UC HDG + CL HDG	2,69
WMT 50-400 HDG and XPG + SC1 HDG + 2 x SC2 HDG	6,52
WMT 50-70 EG + 2 x UC EG + CL EG	0,57
WMT 50-70 EG + SC1 EG + 2 x SC2 EG	0,50
WMT 50-70 HDG and XPG + 2 x UC HDG + CL HDG	5,02
WMT 100-100 EG + 2 x UC EG + CL EG	0,41
WMT 100-100 HDG and XPG + 2 x UC HDG + CL HDG	7,30
WMT 100-300 EG + CL EG + UC EG	0,26
WMT 100-300 EG + SC1 EG + SC2 EG	0,48

