

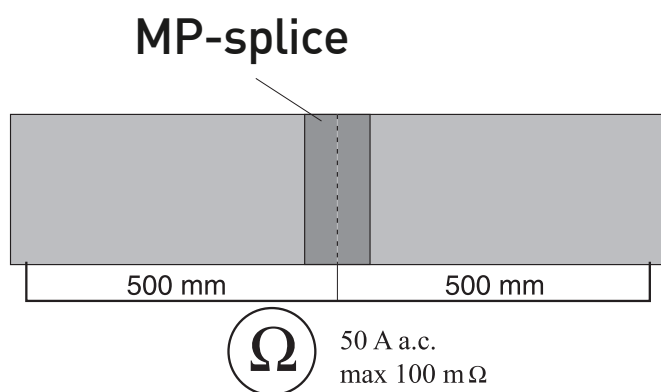
# Equipotential bonding

## Electrical continuity

All products in MP-cable installations comply to applicable demands regarding electrical continuity over splices according to SS-EN 61537:2007.

Painted trays have paint-free ends as standard and thus satisfy the requirements set out in the table below. For cutting and joining painted trays you must manually create an electrical connection across the splice. Ideally by means of a screwed metal joint on a paint-free surface (paint removed).

SP Technical Research Institute of Sweden in Borås have made test measurements 500 mm on each side of the splice with the following result.



<b>Cable ladders</b>	<b>Without screws</b>	<b>With screws Requirement</b>	
MP-S (MP-107 S)	2.3 mΩ	1.2 mΩ	50 mΩ
MP-S (MP-108 S)	2.0 mΩ	-	50 mΩ
MP-PZ, TS, Z, Z4	1.0 mΩ	1.0 mΩ	50 mΩ
MP-FZ	1.0 mΩ	<1.0 mΩ	50 mΩ
Stainless/acid resistant – all	0.016 mΩ	0.016 mΩ	50 mΩ
<b>Cable trays</b>	<b>Without clips</b>	<b>With clips Requirement</b>	
50 mm wide	1.0 mΩ	1.0 mΩ	50 mΩ
200 mm wide	1.8 mΩ	1.0 mΩ	50 mΩ
600 mm wide	0.5 mΩ	0.5 mΩ	50 mΩ
<b>Wire mesh trays</b>		<b>With splice Requirement</b>	
Electroplated	75-600 mm	4.0-11.2 mΩ	50 mΩ
Hot-dip galvanized	75-600 mm	3.2-6.4 mΩ	50 mΩ
Acid resistant	75-600 mm	13.6-24.8 mΩ	50 mΩ
Z4	75-600 mm	1-2 mΩ	50 mΩ
<b>Window-sill trunking</b>		<b>With splice TBJ 1 Requirement</b>	
All white finish/natural aluminium		0.7 mΩ	50 mΩ