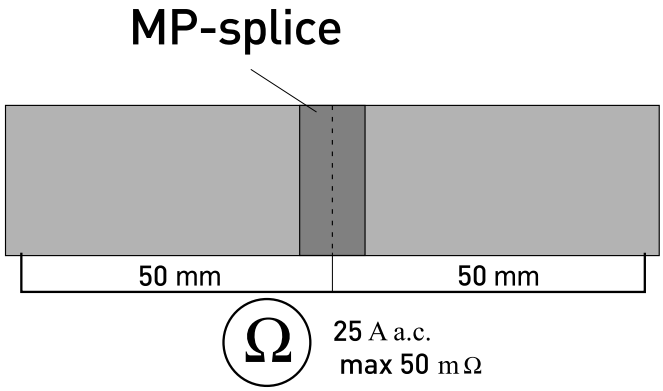
Equipotential bonding

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.



Cable ladders			**Requirement**
MP-S / MP-LS (MP-107 S)	1,0 / 2,0 mΩ		50 mΩ
MP-S / MP-LS (MP-108 S)	2,0 / 3,0 mΩ		50 mΩ
MP-TS	1,0 mΩ		50 mΩ
MP-PZ, Z, Z4	2,0 mΩ		50 mΩ
MP-FZ	< 1,0 mΩ		50 mΩ
Stainless/acid resistant – all	0,016 mΩ		50 mΩ

Cable trays	**Without clips**	**With clips**	**Requirement**
50 mm bredd	1,0 mΩ	1,0 mΩ	50 mΩ
200 mm bredd	1,8 mΩ	1,0 mΩ	50 mΩ
600 mm bredd	0,5 mΩ	0,5 mΩ	50 mΩ

Wire mesh trays		**With splice**	**Requirement**
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

Wall trunking	**With splice TBJ 1**	**Requirement**
All white finish/natural aluminum	0.7 mΩ	50 mΩ