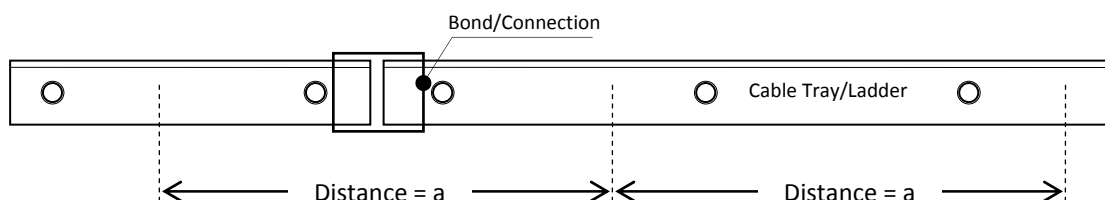


Methodology for Measuring Resistance across Cable Ladder/Tray Connections



1. The resistance is measured across the bond/connection.
2. The resistance is measured across a similar piece of rail/ladder without connections.
3. The difference between the two results shows the resistance of the connection.

The resistance is measured with a milliohm meter type Megger BT 51 with following data:

FEATURES AND BENEFITS

- High test current – 2 a.c. (e.g., for aircraft bond testing)
- Four terminal measurement
- Two measuring ranges (2000 mΩ and 20,00 mΩ) and maximum resolution of 0,01 mΩ
- 3¹/₂ -digit L.E.D. display, which is helpful in a poorly lit environment
- Protection against 240 V a.c. and warning lights for added safety
- Robust, shockproof, weatherproof, portable case
- Can use very long test leads

SPECIFICATIONS

Ranges

2000 mΩ, resolution 1 mΩ

20,00 mΩ, resolution 0,01 mΩ

Test Current

2 A nominal, with up to 2 Ω across the C terminals

Accuracy (0 to 50° C)

±1% of reading ±2 digits

Display

3¹/₂ -digit L.E.D. display

Temperature Range

Operating: 0 to 50° C

Storage: -20 to +50° C

Protection

Relay protection for up to 240 V mains supply applied from C1/P1 to C2/P2

100 mA (T) fuse, 20 x 5 mm, ceramic (for charging circuit)

Power Supply

4 Ah capacity NiCad rechargeable cells with internal charging unit

Normal charging time of 10 hours on 240 V, 50 Hz mains supply

Safety

The instrument meets the requirements for IEC 10101-1 (1992), EN61010-1 (1993).

The instrument is intended for use with non powered circuits only.

EMC

The instrument meets EN50081-1 and EN50082-1 (1992)

Dimensions

245 H x 344 W x 158 D mm

(9,6 H x 13,5 W x 6,25 D in. approx)

Weight

45 kg (10 lb approx)

Bagh & Co.
Stadionvej 2
3390 Hundested

Skærup 13th of June 2008

Att.: Hr. Michael Sigumfeldt

Our ref.: 2008-0234

Re: Test on cable Tray/Ladder Connections

The test was done on the 12th of June.

The temperature of the test objects was 20 degr. C.

The test instrument used was a milliohmmeter

Make MEGGER Type BT 51

Calibrated at AREPA on the 28th of April 2008

Instrument no. 030

Test Results:

Rail Type	Across Bond	On Rail	Difference
	mΩ	mΩ	mΩ
Cable Ladder with Connection Type KS-LA	0,72	0,54	0,18
Cable Ladder with Connection Type SLK-VAB	1,02	0,78	0,24
Cable Ladder with Connection Type SLK-UK	0,92	0,59	0,33

Bedst regards
Dan Delektron A/S


Claus Helbo

Mail: claus@dandel.dk

Bagh & Co.
 Stadionvej 2
 3390 Hundested

Skærup 28th of May 2008

Att.: Hr. Michael Sigumfeldt

Our ref.: 2007-0155

Re: Test on cable Tray/Ladder Connections

The test was done on the 28th of May.

The temperature of the test objects was 20 degr. C.

The test instrument used was a milliohm meter

Make MEGGER Type BT 51
 Calibrated at AREPA on the 28th of April 2008
 Instrument no. 030

Test Results:

Rail Type	Across Bond	On Rail	Difference
	mΩ	mΩ	mΩ
Cable Ladder KS with Connection Type SLX	0,82	0,64	0,18
Cable Ladder KS with Connection Type SLKX	1,04	0,57	0,47
Cable Ladder KS with Connection Type SLK	1,23	0,74	0,49
Cable Ladder KA with Connection Type KA-SL	1,11	1,02	0,09
Cable Tray L51 with Connection Type XLA50	0,74	0,95	-0,21
Cable Tray G51 with Connection Type LA50G	0,95	0,72	0,23

Bedst regards
 Dan Delektron A/S

Claus Helbo

Mail: claus@dandel.dk