

# CWG 550 / 553 / 553-MC / 554

## Surge coupling impedances

### IEC / EN 61000-4-5

- For component testing or tests on cable shields
- In four versions:

<b>CWG 550:</b>	18 $\mu$ F
<b>CWG 553:</b>	0.5 $\mu$ F + 40 Ohm
<b>CWG 553-MC:</b>	0.5 $\mu$ F + 40 Ohm
<b>CWG 554:</b>	9 $\mu$ F + 10 Ohm



Fig.: CWG 553-MC (front)



CWG 553-MC (back)



Fig.: CWG 550



Fig.: CWG 553



Fig.: CWG 553-MC



Fig: CWG 554

**AC voltage from 250 - 550 VAC** 

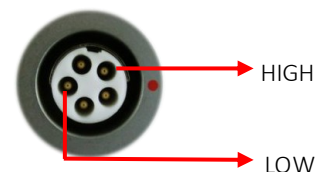
### Overview

For component testing or testing for cable shielding, CWG 550, CWG 553, CWG 553-MC and CWG 554 are reliable external surge coupling impedances for tests according to IEC / EN 61000-4-5.

They are suitable for surge voltages up to max. 4400 V and AC voltages up to 250 VAC.

### Key facts

- NEW: CWG 553-MC with MC lab jacks on both sides
- Surge voltage max. 4400 V
- To the external network (CWG 52x)  
or for coupling impedance (CWG 550; CWG 553, CWG 554).



### Technical data

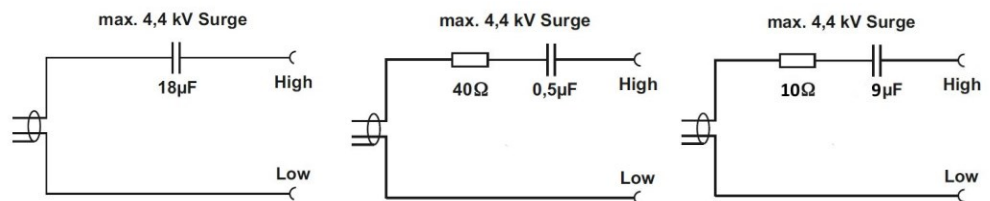
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Article	CWG 550	CWG 553 / CWG 553-MC	CWG 554
Impedance	<b>18 <math>\mu</math>F</b>	<b>0.5 <math>\mu</math>F + 40 Ohm</b>	<b>9 <math>\mu</math>F + 10 Ohm</b>
AC voltage	max. 250 VAC	max. 250 VAC	max. 250 VAC
Surge Voltage	max. 4400 V	max. 4400 V	max. 4400 V
<b>Current pulse at the output when fed with surge pulse at 4000 V:</b>			
Peak current		87 A $\pm$ 20%	
Current front time		1,3 $\mu$ s $\pm$ 30%	
Current duration		13 $\mu$ s $\pm$ 30%	
Entrance	Surge HV connector (Fischer S105 A039)	<b>CWG 553:</b> Surge HV connector (Fischer S105 A039) <b>CWG 553-MC:</b> MC laboratory sockets	Surge HV connector (Fischer S105 A039)
Output	4 mm MC laboratory sockets	<b>CWG 553:</b> 4 mm MC laboratory sockets <b>CWG 553-MC:</b> MC laboratory sockets	4 mm MC laboratory sockets
Temperature range	0 to 40 °C	0 to 40 °C	0 to 40 °C
Housing material	plastics	plastics	plastics
Dimensions (L x W x H)	200 x 110 x 75 mm	200 x 110 x 75 mm	200 x 110 x 75 mm
Cable length	35 cm	<b>CWG 553:</b> 90 cm <b>CWG 553-MC:</b> without cables	90 cm
Weight	0.5 kg	0.5 kg	0.5 kg

### Circuit diagram

Careful:  
Low not grounded!



All information regarding appearance and technical data correspond to the current state of development at the time of release of this data sheet. We reserve the right to make technical changes 042403

