

The Museum of T&M Instruments  
Collector's Assistance

**Tektronix Type 551 Interconnection Cable**

The Tektronix Type 551 oscilloscope consists of the indicator unit and the power supply. An interconnection cable feeds several power buses from the power supply to the indicator unit.

According Tektronix part numbers (old/new)were:

012-032	30" Interconnection Cable for 551, 507, 517, 555
012-0051-00	2inch Interconnection caba for 551, 555

Replacement connectors are still available at Newark Electronics, U.S.A:

WPI #26-4301-16P male	Newark no. 42FX159
WPI #26-4301-16S female	Newark no. 42FX163

Connectors which fit properly but lack the latch were used in the plug-in extension cable `524B-16P` used for Hewlett-Packard's tube counter series 524. If you use these please find a way to secure the connectors to the cabinets.

Pinning:

Connector Pin	Function	suggested colour
1	+500V Bus	red
2	+350V Bus	red-blue
3	+330V Bus	red-black
4	+225V Bus	red-green
5	+100V Bus	red-brown
6	-	-
7	-	-
8	-150V Bus	white
9	GND	black
10	GND	black
11	-	-
12	-	-
13	fan cold	orange-black
14	mains cold	yellow-black
15	mains hot	yellow-red
16	transformer hot	orange-red

Wires of 0.5mm<sup>2</sup> (AWG20) or greater are required due to current capabilities. A length of 100cm ...150cm ensures conveniate arrangement of the two items. All solder connections should be insulated with shrink sleeves. An additional overall PVC sleeve makes the cable more conveniate.

NOTE: Keep in mind: The voltages carried by the wires are lethal!