



## EC4: 1/2" Standard Foam-Dielectric Jumper Assemblies 50 Ohm

ft.	*cm
1'	: 030
2'	: 061
3'	: 100
4'	: 122
5'	: 150
6.5'	: 200
7'	: 213
8'	: 250
9'	: 274
10'	: 300
12'	: 366
14'	: 426
16'	: 488
20'	: 609
25'	: 762
30'	: 914
35'	: 1066

CONNECTORS	PART NUMBER
DIN Male / DIN Male	EC4-(*)-DMDM
DIN Male / DIN Female	EC4-(*)-DMDF
DIN Male / Right Angle DIN Male	EC4-(*)-DMDMR
DIN Male / N-Male	EC4-(*)-DMNM
DIN Male / N-Female	EC4-(*)-DMNF
DIN Male / Right Angle N-Male	EC4-(*)-DMDMR
DIN Male / OFF (No connector)	EC4-(*)-DMO
Right Angle DIN Male / OFF (No connector)	EC4-(*)-DMRO
DIN Female / DIN Female	EC4-(*)-DFDF
DIN Female / N-Male	EC4-(*)-DFNM
DIN Female / N-Female	EC4-(*)-DFNF
DIN Female / Right Angle DIN Male	EC4-(*)-DFDMR
DIN Female / Right Angle N-Male	EC4-(*)-DFNMR
DIN Female / OFF (No connector)	EC4-(*)-DFO

\*Use cm value for the length in jumper part number.

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## EC4: Standard 1/2" Foam-Dielectric Jumper Assemblies

### 50 Ohm (Continued)

CONNECTORS	PART NUMBER
N-Male / N-Male	EC4-(*)-NMNM
N-Male / N-Female	EC4-(*)-NMNF
N-Male / Right Angle N-Male	EC4-(*)-NMNMR
N-Male / Right Angle DIN Male	EC4-(*)-NMDMR
N-Male / OFF (No connector)	EC4-(*)-NMO
Right Angle N-Male / OFF (No connector)	EC4-(*)-NMRO
N-Female / Right Angle N-Male	EC4-(*)-NFNMR
N-Female / Right Angle DIN Male	EC4-(*)-NFDMR
N-Female / OFF (No connector)	EC4-(*)-NFO

\*Use cm value for the length in jumper part number.

**NOTE:** To order a jumper with one connector unattached (Loose), add an "L" after the connector to be loose.

Example: DMDMRL = Attached DIN Male on one end, with an unattached Right Angle DIN Male packaged "loose" with the jumper.

**NOTE:** To order a jumper with only one connector, add an "O" after the one connector to be included.

Example: DMO = Attached DIN Male on one end, with no connector provided for the other end.

### ELECTRICAL CHARACTERISTICS

- Attenuation for 3 foot jumper at 68°F\*
  - 0.07 dB at 960 MHz
  - 0.09 dB at 1880 MHz
  - 0.10 dB at 2200 MHz
  - \*values without connectors, typical connector attenuation is less than  $0.1\sqrt{f}$  (GHz) (1 link / 2 connectors)
- Intermodulation measured with 43dBm/20W
  - 162 dBc (cellular bands), typical
- VSWR
  - ≤ 1.06 at 960 MHz
  - ≤ 1.06 at 1880 MHz
  - ≤ 1.06 at 2200 MHz
- Power rating at 104°F ambient temperature
  - 1.1 kW at 960 MHz
  - 0.77 kW at 1880 MHz
  - 0.70 kW at 2200 MHz

Test results included with each jumper.

*Additional connector combinations and lengths available on request.*