Semflex

High Performance Test Cable Assembly

Connectivity for *Business-Critical Continuity™*

DKT Series



Emerson Network Power Connectivity Solutions offers the **Semflex** DKT test cable assembly series. This line incorporates high performance cable with equally high performance connectors with cost effective pricing and good performance up to 26 GHz. These assemblies feature low loss triple shielded cable with a standard FEP Teflon® or optional stainless steel inter-linked armor tubing. The triple shielded construction of these cables give outstanding shielding effectiveness of greater than -90dB at 18GHz. These assemblies use precision stainless steel connectors with molded strain relief boots and are designed to meet both MIL-C-39012 and MIL-STD-348a. These cables feature low loss, good VSWR, and are affordably priced.

Key Features & Benefits

- Precision stainless steel connectors
- Low loss PTFE tape Dielectric
- FEP outer jacket; optional stainless steel armored jacketing available
- Triple shielded for >-90 dB leakage at 18GHz

Applications

- Test Equipment
- High temperature (+200° C)
- Low temperature(-65°C)

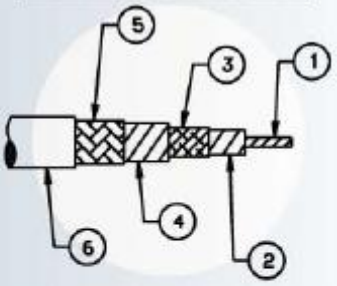
Available Connectors

- SMA, TNC, N
- Straight and right angle male, straight female

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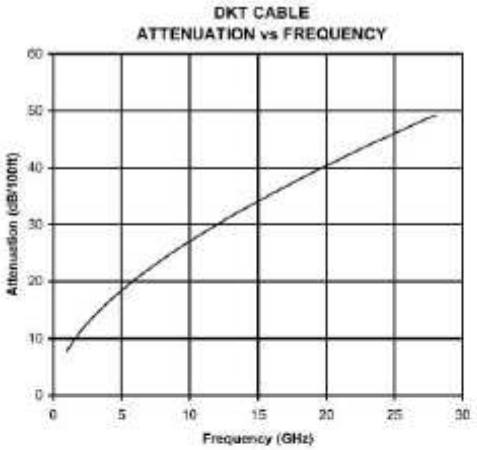
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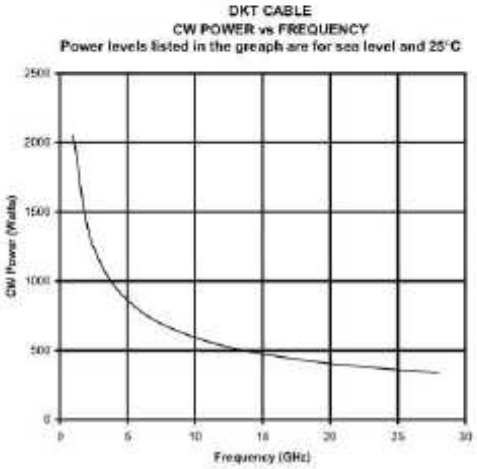
Cable Construction



1. Center conductor: Silver plated copper *
2. Dielectric: Microporous PTFE tape
3. Outer conductor: Silver plated copper flat braid*
4. Shield interlayer: Metalized tape
5. Braid: Silver plated copper round braid *
6. Jacket options: Extruded FEP, armor

* Silver plating per ASTM-B-298





Additional Specifications

Electricals	
Velocity of Propagation	76.5%
RF Leakage Min. @ 18GHz	-90 dB/ft
Impedance	50 Nominal
Capacitance	27 pF/ft 88.58 pF/m
Delay	1.34 ns/ft 4.40 ns/m
Breakdown Voltage	>10kV
Phase Stability vs. Flexure	
Mechanical/ Environmental	
Nominal Diameter	0.205 inches .521 cm
Minimum Bend Radius	1.0 inches 2.54 cm
Temperature	-65 °C to + 200°C
Weight	0.05 lb./ft .074g/m
Materials and Finishes Connector	
Body	Stainless Steel
Nut	Stainless Steel
Gasket	Silicon Rubber
Contact	BeCu / Gold plated
Insulator	PTFE
Materials and Finishes Cable	
Cable Jacket	FEP
Outer Shield	Silver Copper
Inter Shield	Aluminum Polymer
Inter Conductor	Silver Copper
Dielectric	Micro-porous PTFE
Center Conductor	Silver Copper



DKT Cable Assembly
SMA Male Straight to SMA Male Straight
HP190S Cable

Emerson Network Power
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Popular Configurations

Part Number	Cable Type	Connector 1	Connector 2	Length (in)
2121-DKF-0012	HP190S with FEP jacket	SMA Male, Straight	SMA Male, Straight	12
2121-DKF-0018	HP190S with FEP jacket	SMA Male, Straight	SMA Male, Straight	18
2121-DKF-0024	HP190S with FEP jacket	SMA Male, Straight	SMA Male, Straight	24
2121-DKF-0036	HP190S with FEP jacket	SMA Male, Straight	SMA Male, Straight	36
2121-DKF-0048	HP190S with FEP jacket	SMA Male, Straight	SMA Male, Straight	48
2121-DKF-0060	HP190S with FEP jacket	SMA Male, Straight	SMA Male, Straight	60
2123-DKF-0012	HP190S with FEP jacket	SMA Male, Straight	SMA Female, Straight	12
2123-DKF-0024	HP190S with FEP jacket	SMA Male, Straight	SMA Female, Straight	24
2123-DKF-0036	HP190S with FEP jacket	SMA Male, Straight	SMA Female, Straight	36
2123-DKF-0048	HP190S with FEP jacket	SMA Male, Straight	SMA Female, Straight	48
2123-DKF-0060	HP190S with FEP jacket	SMA Male, Straight	SMA Female, Straight	60
2122-DKF-0012	HP190S with FEP jacket	SMA Male, Straight	SMA Male, Right Angle	12
2122-DKF-0024	HP190S with FEP jacket	SMA Male, Straight	SMA Male, Right Angle	24
2122-DKF-0036	HP190S with FEP jacket	SMA Male, Straight	SMA Male, Right Angle	36
2122-DKF-0048	HP190S with FEP jacket	SMA Male, Straight	SMA Male, Right Angle	48
2122-DKF-0060	HP190S with FEP jacket	SMA Male, Straight	SMA Male, Right Angle	60
2151-DKF-0012	HP190S with FEP jacket	SMA Male, Straight	N Male, Straight	12
2151-DKF-0024	HP190S with FEP jacket	SMA Male, Straight	N Male, Straight	24
2151-DKF-0036	HP190S with FEP jacket	SMA Male, Straight	N Male, Straight	36
2151-DKF-0048	HP190S with FEP jacket	SMA Male, Straight	N Male, Straight	48
5151-DKF-0012	HP190S with FEP jacket	N Male, Straight	N Male, Straight	12
5151-DKF-0018	HP190S with FEP jacket	N Male, Straight	N Male, Straight	18
5151-DKF-0024	HP190S with FEP jacket	N Male, Straight	N Male, Straight	24
5151-DKF-0036	HP190S with FEP jacket	N Male, Straight	N Male, Straight	36
5151-DKF-0048	HP190S with FEP jacket	N Male, Straight	N Male, Straight	48
5152-DKF-0012	HP190S with FEP jacket	N Male, Straight	N Male, Right Angle	12
5152-DKF-0024	HP190S with FEP jacket	N Male, Straight	N Male, Right Angle	24
5152-DKF-0036	HP190S with FEP jacket	N Male, Straight	N Male, Right Angle	36
5152-DKF-0048	HP190S with FEP jacket	N Male, Straight	N Male, Right Angle	48

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