

DKF Series Metric Test Cable Assemblies



Features

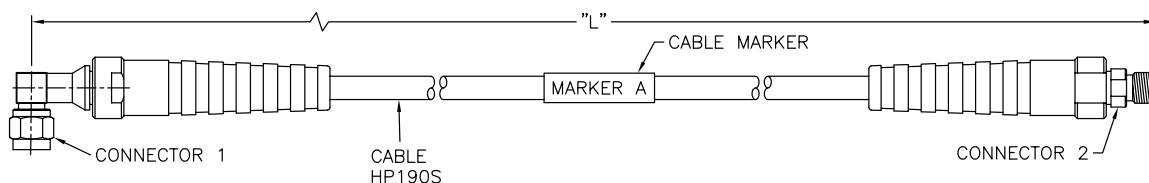
- Best combination of price and performance
- Uses high performance HP190S cable
- 18 GHz operation
- Strain relief boots to put up with everyday handling
- Passivated stainless steel M39012 compliant interfaces
- Standard lengths stocked by distributors
- Custom Lengths available

Applications

- High end test laboratories
- Production test setups
- Production use

Table 1: Standard Part Numbers Available Through Franchised Distributors

Part Number	Description	Insertion Loss, dB (max at 18 GHz)
2121-DKF-M0030	DKF metric assembly, SMA Straight Male to SMA Straight Male, 30cm	0.63
2121-DKF-M0050	DKF metric assembly, SMA Straight Male to SMA Straight Male, 50cm	0.88
2121-DKF-M0075	DKF metric assembly, SMA Straight Male to SMA Straight Male, 75cm	1.19
2121-DKF-M0100	DKF metric assembly, SMA Straight Male to SMA Straight Male, 100cm	1.50
2121-DKF-M0120	DKF metric assembly, SMA Straight Male to SMA Straight Male, 120cm	1.75
2121-DKF-M0150	DKF metric assembly, SMA Straight Male to SMA Straight Male, 150cm	2.12



Materials

Connector Body & Coupling Nut	Passivated stainless steel
Connector Contacts	Gold plated beryllium copper
Cable	HP190S model, FEP jacket
Workmanship	Class 2 per IPC/WHMA-A-620

Environmental

Operating Temperature	-55°C to 85°C
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Electrical

Frequency of Operation	DC-18 GHz
Impedance	50Ω (Nominal)
VSWR	1.25:1 (max.) for parts listed in table 1, see table 2 for other configurations
Insertion loss	See table 1 for standard lengths

Mechanical

Length Tolerance	-0.0 / +1.2 cm for parts listed in table 1
Durability	500 cycles (min.)
Inside min bend radius	2.8 cm

Custom Part Number Creation



Table 2

	Configuration Code	Description	VSWR, max. @ 18 GHz
Connector 1	21	SMA, Straight, Male	1.25
	22	SMA, Right Angle, Male	1.30
Connector Selection	23	SMA, Straight, Female	1.25
Order	51	N, Straight, Male	1.35
	52	N, Right Angle, Male	1.35
Connector 2	53	N, Straight, Female	1.35

*See the website for drawing for more details.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cinch Connectivity Solutions:

[2121-DKF-M0075](#) [2121-DKF-M0150](#) [2121-DKF-M0120](#) [2121-DKF-M0050](#) [2121-DKF-M0030](#) [2121-DKF-M0100](#)