## HLL228R-29P-29J-L



## 2.92mm Male to 2.92mm Female Low Loss Ruggedized Test Cable - DC - 40 GHz

The HASCO HLL228R Series Cable is a low loss LL228 cable that operates from DC to 40 GHz. This cable series is constructed with 2.92mm Male to 2.92mm Female connectors. These cables are internally ruggedized with multi-layer copper spiral and braided armor. They offer excellent phase and amplitude stability vs. flexure. The HLL228R Series cables offer 1.30:1 max VSWR.

The HLL228R-29P-29J-L is RoHS Compliant.



HASCO offers many types and configurations of RF and microwave cable assemblies and can support most requirements, such as flexible, conformable, semi-rigid, VGA, low-loss, phase stable, armored, jacketed and more; all assembled with the highest quality RF connectors.

Attenuation & Power Handling @ 25°C & Sea Level				
	Attenuation		Power Handling	
Frequency (GHz)	dB / 100 ft	dB / 100m	Watts	
1	11.4	37.5	509	
3	20.0	65.7	291	
6	28.6	93.8	203	
10	37.3	122.4	156	
12	41.4	135.8	141	
18	50.8	166.7	115	
26.5	62.4	204.8	93	
40	77.7	254.8	75	

## • Frequency Range

**Electrical** 

- VSWR
- Bending Phase Stability
- Insertion Loss
- Phase Stability Insulation Resistance
- Capacitance
- RF Leakage

Temperature Range

	1.30:1 Max
,	$\leq \pm 4^{\circ}$ @ 50 GHz
	$\leq$ 2.8 x f(GHz) dB
	±0.04 dB @ 50 GHz
	≧5000 MΩ
	27pf / ft = 88pf / m
	≧90 dB
	-55°C to 125°C

DC - 40 GHz

Bend Radius	38mm
<ul> <li>Impedence</li> </ul>	50 Ohms
<ul> <li>Durability</li> </ul>	>5000
Armor Stress Tolerance	100N / 25mm
<ul> <li>Velocity</li> </ul>	83%
Screening Effectiveness	>90 dB
A	F 00mmm
Armor Outer Diameter	5.80mm
Armor Outer Diameter     Weight	5.80mm .046kg / m

Material		
Connector Body	Passivated Stainless Steel	
Connector Dielectric	PEI	
Connector Center Contact	Gold plated BeCu	
Cable Center Conductor	Silver plated Copper	
Cable Dielectric	LDPTFE	
Inner Shield	Silver plated flat Copper wire braid	
Middle Shield	LDPTFE	
Outer Shield	Silver plated Copper wire braid	
• Jacket	FEP	
Inner Armor	Stainless Steel s <mark>pring w</mark> ire	
Strengthened Shield	Tin plated Copper wire	
Anti-Twist Layer	PTFE wrapping tape	
Outer Armor	PTFE Braid	

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## 2.92mm Male to 2.92mm Female Low Loss Ruggedized Test Cable | DC - 40 GHz | Outline Drawing

