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 |
|---------------------------------|----------------------|
| Impedence | 50 Ohms |
| Durability | >5000 |
| Armor Stress Tolerance | 100N / 25mm |
| Velocity | 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

