

Part No:

# HLL185R-VP-VJ-24



*1.85mm Male to 1.85mm Female Test Cable using LL185 Low Loss Ruggedized Flexible Cable, Excellent Phase and Amplitude Stability vs. Flexure, DC- 67 GHz, 24 Inches*

## Specifications

|                                   |                               |
|-----------------------------------|-------------------------------|
| • Frequency Range                 | DC - 67 GHz                   |
| • Insulation Resistance           | 5,000M $\Omega$               |
| • Insertion Loss                  | $\leq 4.0$ dB @ 67 GHz        |
| • VSWR                            | 1.50:1 MAX                    |
| • Impedance                       | 50 Ohms                       |
| • Dielectric Withstanding Voltage | 1,000V Max at Sea Level       |
| • Min. Bend Radius                | 1.2"                          |
| • Velocity of Propagation         | 76%                           |
| • RF Leakage                      | $> 90$ dB                     |
| • Phase Stability                 | $\leq \pm 0.15$ dB @ 67 GHz   |
| • Phase Stability over Flexure    | $\leq \pm 6.5^\circ$ @ 67 GHz |
| • Dielectric Withstanding Voltage | 1,000V Max at Sea Level       |
| • Capacitance                     | 27pf/ft=88pf/m                |
| • Temperature Range               | -45°C - +85°C                 |

## Materials and Finishes

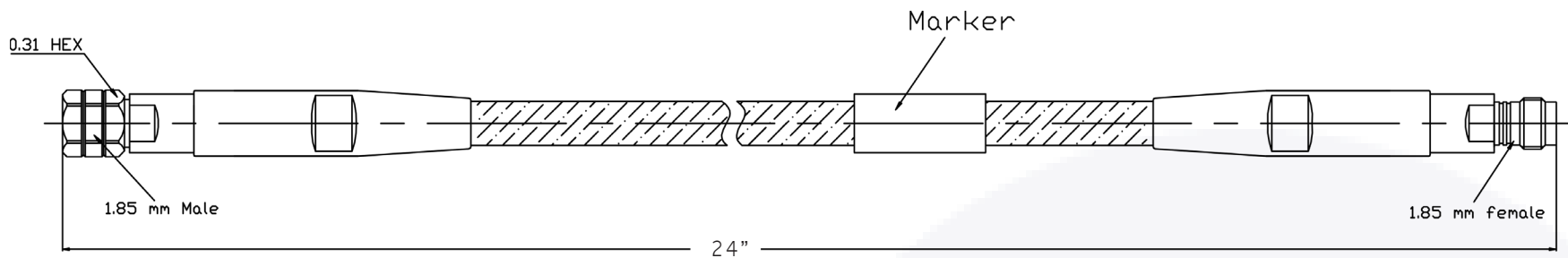
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|----------------------------|----------------------------|
| • Connectors               | Passivated Stainless Steel |
| • Connector Center Contact | Gold Plated Copper         |
| • Insulation               | PEI                        |
| • Inner and Outer Shield   | Silver Plated Copper       |
| • Cable Center Contact     | Silver Plated Copper       |
| • Jacket                   | FEP                        |
| • Outer Armor              | Purple PTFE Braid          |


The HASCO **HLL185R Series Cable** is a low loss LL185 cable that operates from DC to 67 GHz. This cable series is constructed with 1.85mm Male to 1.85mm 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 HLL185R Series cables offer 1.50:1 max VSWR.

The HLL185R-VP-VJ-24 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.



|                                       |                     |         |       |  |                         |  |       |
|---------------------------------------|---------------------|---------|-------|--|-------------------------|--|-------|
| LTR                                   | DESCRIPTION         | DATE    | APPR. | DRAWN BY: JMS  | CHECKED BY: TAC         |  <p>5214 Bonsai Street • Moorpark, CA 93021<br/>(888) 498-3242 • sales@hasco-inc.com<br/><a href="http://www.hasco-inc.com">www.hasco-inc.com</a></p> |       |
| -                                     | RELEASE             | 08/2019 | TAC   | APPROVED BY: TAC   |                         |  |       |
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| THIS DRAWING IS A CONTROLLED DOCUMENT |                     |         |       | MATERIALS:   | CAGE CODE:              | SCALE:   | SIZE: |
|                                       |                     |         |       | SEE DATA SHEET   | 0T8L4                   | NS   | -     |
|                                       |                     |         |       | FINISHES:  | PART NO./DRAWING NO.    |  | REV:  |
|                                       |                     |         |       | SEE DATA SHEET   | <b>HLL185R-VP-VJ-24</b> |  | A     |