



HASCO, INC
COMPONENTS DISTRIBUTOR

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HASCO Bench Test Cable HBTC® Series Phase Stable and Ultra Low Loss Cable Assemblies

FEATURES



- RoHs Compliant
- Low Loss, Low VSWR, High Reliability
- Phase Stable over Temp: 900pp ax @ -40°C - +85°C
- Phase Stability vs. Flexure: $\pm 8^\circ$ @ 40 GHz
- Stainless Steel Armor
- Cable Insertion Loss: -0.79 dB per Ft @ 26 GHz
- Amplitude Stability: $< \pm 0.1$ dB through 40 GHz

ELECTRICAL SPECIFICATIONS

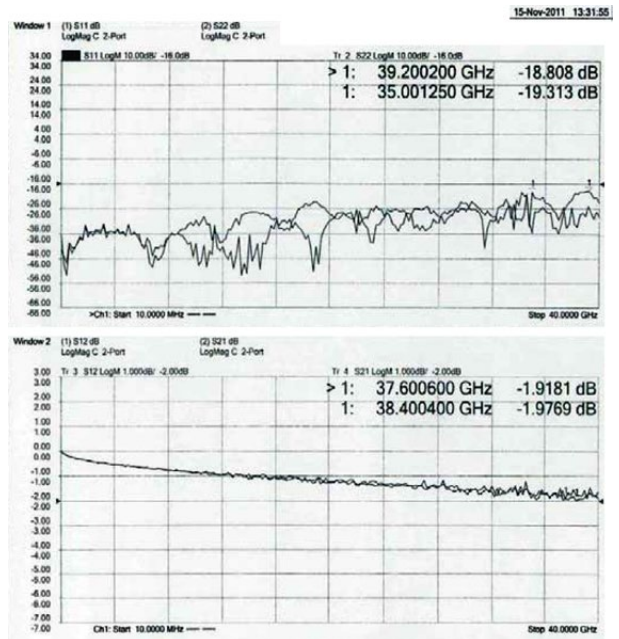
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|--|------------|-----------|-----------|-----------|-----------|
| Max Frequency (GHz) | 46 | | | | |
| Capacitance (pF/Ft) | 26 | | | | |
| Velocity Propagation (%) | 78 | | | | |
| RF Leakage @ 18 GHz (dB) | < -100 | | | | |
| Time Delay (ns/Ft) | 1.30 | | | | |
| Impedance (Ohms) | 50 ± 2 | | | | |
| Frequency (GHz) | 1 | 6 | 18 | 26 | 40 |
| Power CW (Watts) | 400 | 215 | 125 | 100 | 75 |
| Phase Stability vs. Flexure ($^\circ$) | ± 0.4 | ± 1.2 | ± 3.6 | ± 5.3 | ± 8.0 |

MECHANICAL SPECIFICATIONS

| | |
|---------------------------------|-------------|
| Cable Max Dia. (Inch) | 0.305 |
| Min. bend radius (Inch) | 2.0 |
| Recommend Bend Radius (Inch) | 2.0 |
| Temperature Range ($^\circ$ C) | -65 to +200 |

MATERIALS AND FINISHES

| DESCRIPTION | MATERIALS | FINISH OR COLOR |
|-----------------------|-----------------|-----------------|
| Cable Jacket | OFHC Copper | Silver Plated |
| Marker | Mil-I-23053 | White |
| Contacts | BeCu | Gold Plated |
| Insulators | PTFE | None |
| Connector Bodies/Nuts | Stainless Steel | Passivated |
| Gasket | Silicon Rubber | A-A-59588 |



Test Data: 2.92 Male to 2.92 Female, DC - 40GHz