


# C5748E-L500
# HYPERCELL

Jumper 3/8SF PE 7/16 Din Male – 7/16 Din Male

## GENERAL CHARACTERISTICS

| | |
|---|---|
| Cable: | ACOME 50-3/8SF PE cable |
| Connector: | 7/16 Din male / 7/16 Din male |
| Assembly: | Inner and outer contact 100% soldered and with thermal shrink tube |

### MECHANICAL & ENVIRONMENTAL

| | |
|---|---|
| Material and Finish of Connector Body: | Copper alloy - plated brass |
| Material and Finish of Coupling Nut: | Nickel - plated brass |
| Material and Finish of Inner Conductor: | Silver - plated bronze |
| Coupling Waterproof: | Silicone Rubber O-ring |
| Coupling Torque: | 30 N.m Max. |
| Minimum Bending Radius: | 25 mm |

### ENVIRONMENTAL

| | |
|---|---|
| Operating Temperature Range: | -55°C < θ < + 70°C |
| Waterproof Index: | IP68 (1m /24 h) |
| RoHS Compliance: | Yes |
| Test Methods: | IEC 61169, IEC 62037, IEC 60529 |

## ELECTRICAL

| | | | | |
|---|---|---|---|---|
| Impedance: | | 50 ± 1Ω | | |
| Operating Frequency Range: | | DC ~ 3GHz | | |
| RMS Power (40 ℃ - 2 GHz): | | 0.51 KW | | |
| Velocity: | | 83% | | |
| Passive Intermodulation Measured In Swept Frequency Mode, With 2X20W Carries: | IM3 at 900MHz | ≤ -160 dBc | | |
| | IM3 at 1800MHz | ≤ -160 dBc | IM7 at 2100MHz | ≤ -160 dBc |

# RANGE

| Length (m) | Product number | Weight (g) | Frequency 0/1000MHz | | Frequency 1000/2200MHz | | Frequency 2200/3000MHz | |
|---|---|---|---|---|---|---|---|---|
| | | | RL (dB) | ATT (dB) | RL (dB) | ATT (dB) | RL (dB) | ATT (dB) |
| 1 | C5748E-L100 | 315 | -32 | 0.25 | -30 | 0.38 | -26 | 0.45 |
| 1.5 | C5748E-L150 | 376 | -32 | 0.33 | -30 | 0.48 | -26 | 0.58 |
| 2 | C5748E-L200 | 440 | -32 | 0.38 | -30 | 0.59 | -26 | 0.70 |
| 3 | C5748E-L300 | 575 | -32 | 0.53 | -30 | 0.80 | -26 | 0.95 |
| 4 | C5748E-L400 | 695 | -32 | 0.67 | -30 | 1.01 | -26 | 1.20 |
| 5 | C5748E-L500 | 825 | -32 | 0.81 | -30 | 1.22 | -26 | 1.45 |