



## C0027E HYPERCELL

Jumper 1/2SF PE N Male – N Male

## GENERAL CHARACTERISTICS

|            |                                                        |
|------------|--------------------------------------------------------|
| Cable:     | ACOME 50-1/2SF PE cable                                |
| Connector: | N male                                                 |
| Assembly:  | Inner and outer contact 100% soldered and with molding |

## 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:                        | 2.5 N.m Max.                |
| Minimum Bending Radius:                 | 25 mm                       |

## ENVIRONMENTAL

|                              |                                                      |
|------------------------------|------------------------------------------------------|
| Operating Temperature Range: | $-55^{\circ}\text{C} < \theta < +70^{\circ}\text{C}$ |
| Waterproof Index:            | IP68 (1m /24 h)                                      |
| RoHS Compliance:             | Yes                                                  |
| Test Methods:                | IEC 61169, IEC 60529                                 |

ELECTRICAL

|                                                                               |                |            |  |                |            |
|-------------------------------------------------------------------------------|----------------|------------|--|----------------|------------|
| Impedance:                                                                    |                | 50 ± 1Ω    |  |                |            |
| Operating Frequency Range:                                                    |                | DC ~ 3GHz  |  |                |            |
| RMS Power (40 °C - 2 GHz):                                                    |                | 0.52 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) |
| 0.2        | C0992E         | 160        | -32                 | 0.15     | -30                    | 0.22     | -26                    | 0.25     |
| 0.5        | C0704E         | 217        | -32                 | 0.17     | -30                    | 0.26     | -26                    | 0.31     |
| 1          | C0024E         | 300        | -32                 | 0.21     | -30                    | 0.33     | -26                    | 0.37     |
| 1.5        | C0025E         | 390        | -32                 | 0.26     | -30                    | 0.40     | -26                    | 0.47     |
| 2          | C0026E         | 480        | -32                 | 0.33     | -30                    | 0.48     | -26                    | 0.57     |
| 2.5        | C0027E         | 560        | -32                 | 0.38     | -30                    | 0.57     | -26                    | 0.67     |
| 3          | C0028E         | 650        | -32                 | 0.43     | -30                    | 0.66     | -26                    | 0.78     |
| 4          | C1453E         | 830        | -32                 | 0.56     | -30                    | 0.86     | -26                    | 1.01     |
| 5          | C0930E         | 1000       | -32                 | 0.66     | -30                    | 1.03     | -26                    | 1.22     |
| 6          | C1419E         | 1170       | -32                 | 0.78     | -30                    | 1.19     | -26                    | 1.42     |
| 10         | C1437E         | 1850       | -30                 | 1.22     | -28                    | 1.84     | -24                    | 2.19     |