

**ELECTRICALS**

|                            |                         |             |
|----------------------------|-------------------------|-------------|
| Velocity of Propagation    | %                       | B5          |
| RF Leakage Min. @ 18GHz    | dB/ft                   | -100        |
| Impedance                  | Nominal                 | 50          |
| Capacitance                | pF/ft (pF/m)            | 24 (78.72)  |
| Delay                      | ns/ft (ns/m)            | 1.20 (3.94) |
| Breakdown Voltage          | kV                      | >15         |
| Phase Stability vs Flexure | deg/deg of bend per GHz | <.0003      |

**MECHANICAL/ENVIRONMENTAL**

|                     |              |             |
|---------------------|--------------|-------------|
| Nominal Diameter    | inches (cm)  | .290 (.737) |
| Minimum Bend Radius | inches (cm)  | 1.6 (4.064) |
| Temperature         | DEG. C       | -65/+200    |
| Weight              | lb./ft (g/m) | .09 (134)   |

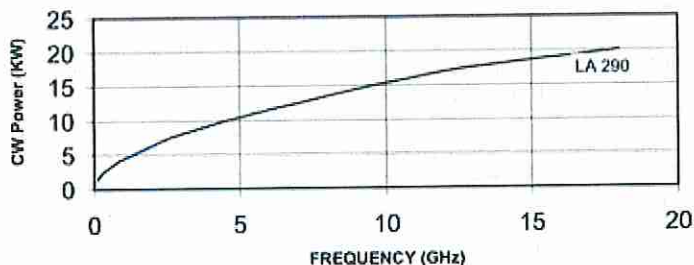
**MATERIALS AND FINISHES CONNECTOR**

|           |                    |
|-----------|--------------------|
| Body      | Stainless steel    |
| Nut       | Stainless steel    |
| Gasket    | Silicone Rubber    |
| Contact   | BeCu / Gold plated |
| Insulator | PTFE               |

**MATERIALS AND FINISHES CABLE**

|                  |                   |
|------------------|-------------------|
| Cable Jacket     | FEP               |
| Outer Shield     | Silver Copper     |
| Inter Conductor  | Silver Copper     |
| Dielectric       | Micro-porous PTFE |
| Center Conductor | Silver Copper     |

**LA 290 CABLE**  
**ATTENUATION vs FREQUENCY**

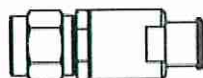


**JACKET OPTIONS**



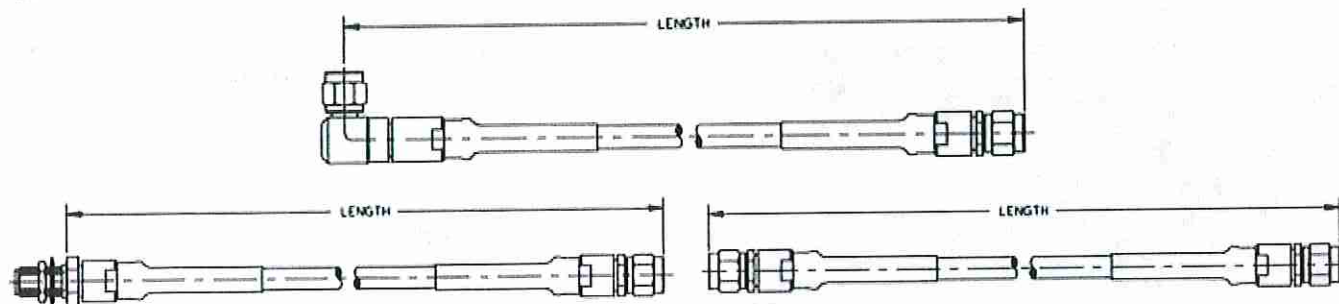
| DESCRIPTION         | CODE |
|---------------------|------|
| FEP JACKET          | BF   |
| POLYURETHANE JACKET | BP   |

**CONNECTOR CODES**



| CONNECTOR STYLE | FREQ GHz | MALE |     | FEMALE |
|-----------------|----------|------|-----|--------|
|                 |          | STR  | RA  | BULKHD |
| SMA             | 18       | S1   | S2  | S4     |
| N TYPE          | 18       | N1   | N2  | N4     |
| *ETNC           | 18       | ET1  | ET2 | ET4    |

\* EXTENDED FREQUENCY RANGE



**HOW TO SPECIFY PART NUMBER**



**FOR EXAMPLE:** SMA STRAIGHT MALE TO SMA STRAIGHT FEMALE, FEP JACKET, 36 INCHES LONG.  
NOTE: USE LEADING ZEROS WHEN SPECIFYING LENGTH.

PART NUMBER IS: 81 L29 BF S3 036