

# Fixed Length Cable Assemblies

## SMA STRAIGHT PLUG TO SMA STRAIGHT BULKHEAD JACK



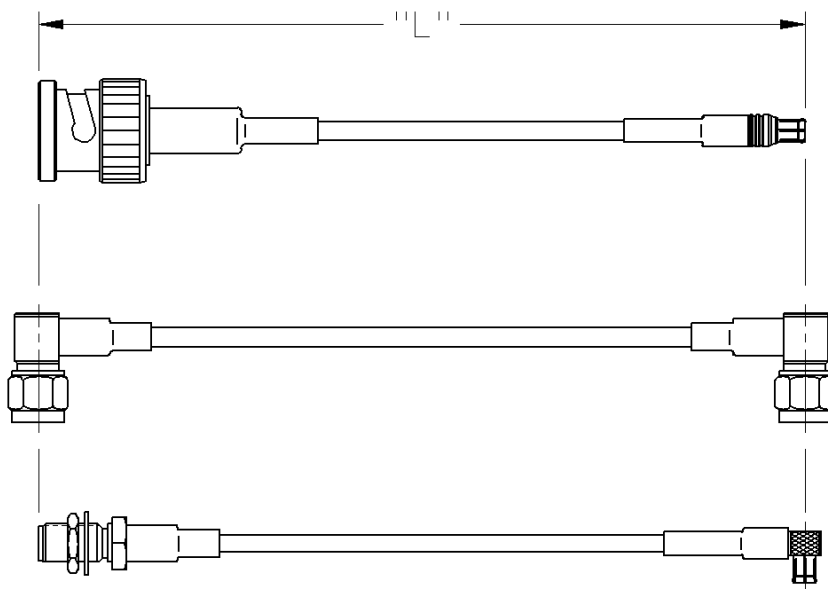
| PART NUMBER  | CABLE TYPE | CABLE LENGTH | CONNECTOR A  | CONNECTOR B  |
|--------------|------------|--------------|--------------|--------------|
| 415-0031-006 | RG-316     | 6"           | 142-0403-011 | 142-0303-411 |
| 415-0031-012 | RG-316     | 12"          | 142-0403-011 | 142-0303-411 |
| 415-0031-018 | RG-316     | 18"          | 142-0403-011 | 142-0303-411 |
| 415-0031-024 | RG-316     | 24"          | 142-0403-011 | 142-0303-411 |
| 415-0031-036 | RG-316     | 36"          | 142-0403-011 | 142-0303-411 |
| 415-0031-048 | RG-316     | 48"          | 142-0403-011 | 142-0303-411 |
| 415-0035-006 | RG-316 DS  | 6"           | 142-0404-011 | 142-0304-411 |
| 415-0035-012 | RG-316 DS  | 12"          | 142-0404-011 | 142-0304-411 |
| 415-0035-018 | RG-316 DS  | 18"          | 142-0404-011 | 142-0304-411 |
| 415-0035-024 | RG-316 DS  | 24"          | 142-0404-011 | 142-0304-411 |
| 415-0035-036 | RG-316 DS  | 36"          | 142-0404-011 | 142-0304-411 |

| PART NUMBER  | CABLE TYPE | CABLE LENGTH | CONNECTOR A  | CONNECTOR B  |
|--------------|------------|--------------|--------------|--------------|
| 415-0035-048 | RG-316 DS  | 48"          | 142-0404-011 | 142-0304-411 |
| 415-0040-012 | RG-58      | 12"          | 142-0407-011 | 142-0307-411 |
| 415-0040-024 | RG-58      | 24"          | 142-0407-011 | 142-0307-411 |
| 415-0040-036 | RG-58      | 36"          | 142-0407-011 | 142-0307-411 |
| 415-0040-048 | RG-58      | 48"          | 142-0407-011 | 142-0307-411 |
| 415-0040-060 | RG-58      | 60"          | 142-0407-011 | 142-0307-411 |
| 415-0045-012 | RG-142     | 12"          | 142-0408-011 | 142-0308-411 |
| 415-0045-024 | RG-142     | 24"          | 142-0408-011 | 142-0308-411 |
| 415-0045-036 | RG-142     | 36"          | 142-0408-011 | 142-0308-411 |
| 415-0045-048 | RG-142     | 48"          | 142-0408-011 | 142-0308-411 |
| 415-0045-060 | RG-142     | 60"          | 142-0408-011 | 142-0308-411 |

## Electrical Ratings

Electrical ratings of a cable assembly are determined by the limiting connector type and cable size.

| Connector | Cable     | Connector Impedance (Ohms) | Frequency (GHz) | Dielectric Withstanding Voltage (Vrms) | Working Voltage (Vrms) |
|-----------|-----------|----------------------------|-----------------|----------------------------------------|------------------------|
| SMA       | RG-178    | 50                         | 12.4            | 500 Vrms                               | 170 Vrms               |
|           | RG-316    | 50                         | 12.4            | 750 Vrms                               | 250 Vrms               |
|           | RG-316 DS | 50                         | 12.4            | 750 Vrms                               | 250 Vrms               |
|           | RG-58     | 50                         | 12.4            | 1000 Vrms                              | 335 Vrms               |
|           | RG-142    | 50                         | 12.4            | 1000 Vrms                              | 335 Vrms               |



Johnson Components' cable length applies to the end of straight connectors. The length is applied to the vertical centroid of right angle connectors.

The last three digits of the part number reflect the length of the cable in inches.