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### FEATURES:

- RG142B/U cable is Pomona's premium cable, double shielded, high temperature and 12.4 GHz rating
- RG316/U is Pomona's mid performance cable. The cable is single shield, high temperature and 3.0 GHz rated.
- RG174/U is Pomona's most economically SMA cable assembly. Cable is a single shield with 1.0 GHz frequency rating.

### MATERIAL/RATINGS:

SMA (Male) Connectors: Body/Fittings: Stainless Steel, Finish – Passivated Steel

Contacts: Brass, Gold Plated

Impedance: 50 Ohms

| Cable               | RG174/U                      | RG316/U                                               | RG142B/U                                        |
|---------------------|------------------------------|-------------------------------------------------------|-------------------------------------------------|
| Impedance (Nom.):   | 50 Ohms                      | 50 Ohms                                               | 50 Ohms                                         |
| Cap. PF/ft.         | 30.8                         | 29.0                                                  | 29.0                                            |
| Loss (Max.):        | .45 dB/ft. @1 GHz            | .56 dB/ft. @ 3 GHz                                    | .67 dB/ft. @ 12.4 GHz                           |
| Temperature (Max.): | +85°C (+185°F)               | +200°C (+392°F)                                       | +200°C (+392°F)                                 |
| Jacket:             | Vinyl, Color: Black          | FEP, Color: Tinted Brown                              | FEP, Color: Tinted Brown                        |
| Cable Marking:      | POMONA 4846-K- Length        | POMONA 4846-BB-Length                                 | POMONA 4846-X-Length                            |
| Center Conductor:   | 26 AWG (7 x .34) bare copper | 26 AWG (7 x .0067) silver coated copper covered steel | 18 AWG solid silver coated copper covered steel |

### ORDERING INFORMATION: Model 4846-Cable Code-Length in Inches

Cable Codes: K = RG174/U, BB – RG316/U, X – RG142B/U

Standard Lengths: 12" (30,48 cm), 24" (61cm), 48" (121,92 cm), 60" (152,4 cm) & 120" (304,8 cm)

Additional lengths can be quoted upon request.

Ordering Example: 4846-X-24, Cable is RG142B/U, Length: 24" (61 cm)