COAXIAL CABLE

**Customization**
Customized colour option and printing of the outer sheath on request.

<table>
<thead>
<tr>
<th>PTFE, High Temperature</th>
<th>200°C</th>
<th>RJ 1301</th>
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</thead>
<tbody>
<tr>
<td>PE, Normal Temperature</td>
<td>70°C</td>
<td>RJ 1302</td>
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</table>

**Product Description:**
These Cable are designed for low loss, stable operation from the relatively low frequencies through the higher frequencies in the microwave regions of the frequency spectrum. Cables may also be used as circuit elements, delay lines or Impedance matching devices.

**Make Up:**
- Solid or standard conductor made up of Silver plated copper clad steel (SCCS) or Silver plated copper (SPC) or Tinned plated copper (TPC) or Annealed Bare Copper (BC)
- Dielectric layer of spiral wrapped & fused PTFE Tape Outer conductor made up of Single or Double braids of silver plated copper or as per design
- An overall jacket of
  - Wrapped & sintered PTFE Tape
  - One or two Wraps of PTFE Tape, One or more glass fiber braids and coated with special high temperature varnish.
  - With PE insulation and PVC Jacket

**Product Features:**
- 100% screening, hence excellent protection against interference.
- Ease of stripping, connecting and soldering.
- Good chemical resistance.
- High stress resistance (vibrations)
- Good Phase stability.

**Approvals:**
RoHS, ISO 9001

**Application:**
- Use with wave guides.
- Micro-wave transmission and delay lines.
- High speed calculating machines.
- Low noise amplifier circuits.
- Perfectly screened connections.
- Improvement of technology of internal module connections.
- Aerospace applications.

**Technical Data:**
- **Specific insulation resistance**
  > 20 G Ohm x cm
- **Conductor stranding**
  Fine wire in accordance to VDE 0295 Class 5 / IEC 60228 Class 5
- **Minimum bending radius**
  15 x cable diameter
- **Rated voltage**
  As per specific design
- **Test voltage**
  As per specific design
- **Range of temperature**
  Working Temp: -55°C to 200°C
<table>
<thead>
<tr>
<th>Part Number</th>
<th>RG Type</th>
<th>RG/Ø</th>
<th>Conductor</th>
<th>Material</th>
<th>No. &amp; dia. of wires (mm)</th>
<th>Dielectric</th>
<th>Dia. Over Dielectric (mm)</th>
<th>No. &amp; material of shield braid</th>
<th>Dia over jacket (mm)</th>
<th>Impedance (Ohms)</th>
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**CCS**: Copper Coated Steel  
**SCCS**: Silver Plated Copper Coated Steel Wire  
**BC**: Bare Copper  
**SPC**: Silver Plated Copper  
**PE**: Polyethylene  
**PTFE**: Poly tetra Fluoroethylene