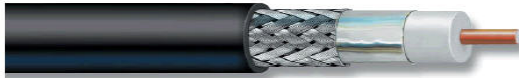




TerraWave Solutions® TWS-600 Coaxial Cable

TerraWave's **TWS-600** series cable is designed for easy installation with maximum flexibility where curves, bends and twists rule out the use of standard hard-line transmission cables. The cable is constructed of a UV resistant polyethylene jacket providing maximum durability and protection from harsh elements and is designed for any application requiring high-quality, flexible cabling such as WLL, GPS, WLAN, WISP, WiMax, SCADA and mobile applications. TerraWave's cable is compatible with a wide variety of connectors and is ideal for any off-the-shelf or customized cable assembly. Visit www.terrawave.com for additional information.



TESSCO SKU: 380359
TerraWave Part Number: TWS-600

| Construction Specification | | |
|----------------------------|--|-----------------|
| | Material | Diameter |
| Inner Conductor | Copper Clad Aluminum | 0.176" ± 0.001" |
| Dielectric | Physical Foam Polyethylene | 0.455" ± 0.012" |
| Outer Conductor | Bonded Aluminum Foil + Tinned Copper Braid | Nominal 0.492" |
| Jacket | Black Polyethylene | 0.590" ± 0.008" |

| Electrical Characteristics | |
|--------------------------------|--------------------|
| Capacitance | 23.4 pF/ft |
| Impedance | 50 Ω |
| Velocity | 87% |
| Inner Conductor DC Resistance | < 0.53 (Ω/1000 ft) |
| Outer Conductor DC Resistance | < 1.2 (Ω/1000 ft) |
| Shielding Effectiveness | > 90 dB |
| Jacket Spark | 5000 VAC |
| Cut off Frequency | 10.3 GHz |
| Peak Power | 40 kW |
| Return Loss ≤ dB(0.03~3000MHz) | -18 |

| Mechanical and Environmental Characteristics | |
|--|-------------------|
| Min. Bend Installation Radius | 1.500" |
| Min. Bend Repeated Radius | 6.000" |
| Storage Temperature | -40° F to +185° F |
| Installation Temperature | -94° F to +185° F |
| Operating Temperature | -40° F to +185° F |

| General Information | |
|---------------------|--------------------------|
| Warranty | 7 Years |
| Life Expectancy | 20 Years for Outdoor Use |



| Attenuation and Avg. Power (68° F) | | | | |
|------------------------------------|-------------------------------|---------------------------|------------------|--|
| Frequency MHz | Typical Attenuation dB/100 ft | Max Attenuation dB/100 ft | Average Power kW | |
| 30 | 0.42 | 0.54 | 4.93 | |
| 50 | 0.55 | 0.66 | 3.83 | |
| 150 | 1.0 | 1.1 | 2.16 | |
| 220 | 1.2 | 1.3 | 1.77 | |
| 450 | 1.7 | 1.9 | 1.23 | |
| 900 | 2.5 | 2.7 | 0.84 | |
| 1500 | 3.3 | 3.7 | 0.63 | |
| 1800 | 3.7 | 4.1 | 0.57 | |
| 2000 | 3.9 | 4.3 | 0.54 | |
| 2500 | 4.4 | 4.9 | 0.48 | |
| 5800 | 7.3 | 8.2 | 0.29 | |
| 6000 | 7.45 | 8.91 | 0.28 | |

For detailed product information and to purchase product, please contact a TerraWave wireless networking solutions sales engineer at 210-375-8482, 800-851-4965, sales@terrawave.com or visit www.terrawave.com.

**TerraWave Solutions® TWS-600 Coaxial Cable (continued)
Connectors for TWS-600 Series Cable**



**TWS-600 Series
RPTNC Plug (M)**



**TWS-600 Series
SMA Jack (F)**



**TWS-600 Series
RPTNC Jack (F)**

| TESSCO SKU | TerraWave Part Number | Product Description |
|------------|-----------------------|---------------------|
| 498985 | CON-01-600 | RPTNC Jack (F) |
| 491959 | CON-02-600 | RPTNC Plug (M) |
| 474992 | CON-03-600 | RPTNC BH Jack (F) |
| 499904 | CON-04-600 | TNC Jack (F) |
| 462916 | CON-05-600 | TNC Plug (M) |
| 471981 | CON-06-600 | N-Style Jack (F) |
| 474949 | CON-07-600 | N-Style Plug (M) |
| 438931 | CON-08-600 | N-Style BH Jack (F) |

| TESSCO SKU | TerraWave Part Number | Product Description |
|------------|-----------------------|---------------------|
| 438931 | CON-09-600 | RP N-Style Jack (F) |
| 445932 | CON-10-600 | RP N-Style Plug (M) |
| 454978 | CON-11-600 | BNC Jack (F) |
| 448980 | CON-12-600 | BNC Plug (M) |
| 477918 | CON-13-600 | RPBNC Jack (F) |
| 473996 | CON-14-600 | RPBNC Plug (M) |
| 457986 | CON-15-600 | RPBNC BH Jack (F) |

Crimping Tool for TWS-600 Series Cable

| TESSCO SKU | TerraWave Part Number | Product Description |
|------------|-----------------------|------------------------|
| 418994 | HT-H136A | Crimp Tool for TWS-600 |



Connector Adapters for TWS-600 Connectors

| SKU | TerraWave Part Number | Product Description |
|--------|-----------------------|--------------------------------------|
| 323264 | RARPTNCJ-RPTNCP | RA RPTNC Jack (F) to RPTNC Plug (M) |
| 467986 | RPTNCJACK-NPLUG | RPTNC Jack (F) to N-Style Plug (M) |
| 413999 | RPTNCP-NJ | RPTNC Plug (M) to N-Style Jack (F) |
| 424971 | RPTNCP-NP | RPTNC Plug (M) to N-Style Plug (M) |
| 315485 | RPTNCP-RPSMAJ | RPTNC Plug (M) to RPSMA Jack (F) |
| 424995 | NJACK-NJACK | N-Style Jack (F) to N-Style Jack (F) |
| 485981 | NM-NM | N-Style Plug (M) to N-Style Plug (M) |
| 312060 | SMAP-TNCJ | SMA Plug (M) to TNC Jack (F) |
| 437905 | AXA-SMSM | SMA Jack (F) to SMA Jack (F) |



**N-Style Plug (M)
to N-Style Plug (M)**



**RA RPTNC Jack (F)
to RPTNC Plug (M)**

For detailed product information and to purchase product, please contact a TerraWave wireless networking solutions sales engineer at 210-375-8482, 800-851-4965, sales@terrawave.com or visit www.terrawave.com.

