

Amphenol Pcd



**Connecting
Those Who
Protect Us**

Cable Accessories for Soldier Communications



AN/PRC 152 Handheld Radio

Amphenol Pcd

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978-624-3400

AN/PRC-152 Handheld Radio: Cable Solutions & Connectors

Data and Remote Control “Y” Cable



- Connects handheld radios to computer for asynchronous (RS-232) and synchronous (DTE) data applications
- Used with RF-6550M Radio Programming Application (RPA) or RF-6650M Communications Planning Application (CPA)
- 25-Pin and 9-Pin D connectors for attaching data devices
- Components: Cable and RDA driver software
- USB: 1.1 or 2.0
- Operating Systems Supported – Windows XP, Windows Vista (x86 & x64), Windows 7 (x86 & x64)
- Connections – Latching USB Type A (PC) PRC-152 32 pin side data connector on radio side
- Harris p/n: 12041-7110-A1
- Amphenol p/n: MCA12041-7110-A1

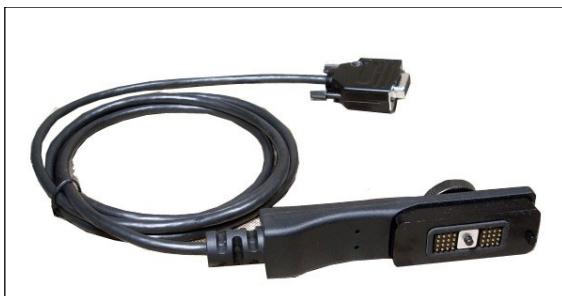


USB Programming Cable

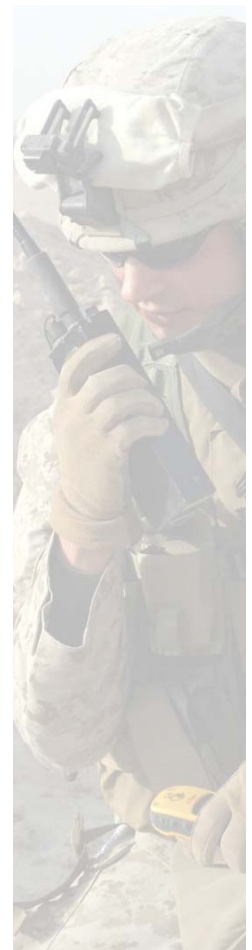


- Connects handheld radios to computers when loading waveforms and plan data
- Used with RF-6550M Radio Programming Application (RPA) or RF-6650M Communications Planning Application (CPA)
- USB interface permits drag-and-drop radio programming
- Cable Length: 6 ft (~1.8 meters)
- Components: Cable and RDA driver software
- USB: 1.1 or 2.0
- Operating Systems Supported – Windows XP, Windows Vista (x86 & x64), Windows 7 (x86 & x64)
- Connections – Latching USB Type A (PC) PRC-152 32 pin side data connector on radio side
- Harris p/n: 12041-7220-A1
- Amphenol p/n: MCA12041-7220-A1

PPP Cable

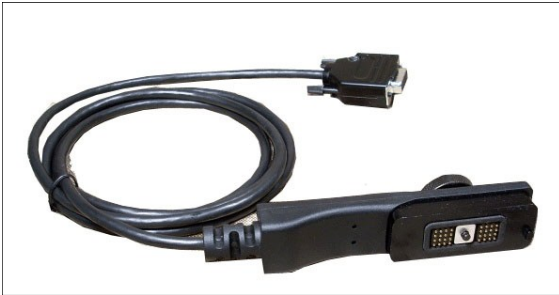


- PPP and HPW data interface
- Used to connect an external computer for data applications— ie. Harris RF-6760W-HPW Wireless Terminal
- Cable Length: 6 ft (~1.8 meters)
- Components: Cable and RDA driver software
- USB: 1.1 or 2.0
- Operating Systems Supported – Windows XP, Windows Vista (x86 & x64), Windows 7 (x86 & x64)
- Connections – Latching USB Type A (PC) PRC-152 32 pin side data connector on radio side
- DB9 Pin Female Connector
- Sealed Design; Overmolded, Shielded Cable
- Harris p/n cross: 12041-7180-A006
- Amphenol p/n: MCA12041-7180-A006



AN/PRC-152 Handheld Radios: Cable Solutions & Connectors

GPS Interface Cable



- Connects external GPS receiver for time-of-day synchronization and position reporting operations
- Compatible with PLGR and DAGR GPS receivers
- Standard length: 6 ft (~1.8 meters)
- Harris p/n: 12041-7170-01*
- Amphenol p/n: MCA12041-7170-01



Coaxial Cable, GPS/Multiband Antenna

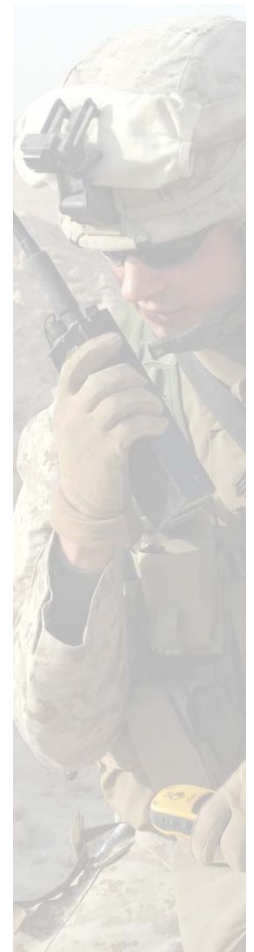


- Interconnects transceivers with internal GPS devices to RF-387-AT002 and RF-3182-AT antennas' GPS connectors
- Connectors are SMB male on the transceiver end and SMA male on the antenna end
- Standard length is 25 ft (~7.6 meters)
- Specify cable length by replacing AXXX
A015 15 ft (~4.6 m); A025 25 ft (~7.6m);
A035 35 ft (~10.7 m); A050 50 ft (~15m)
- Harris p/n: 10511-0730-AXXX
- Amphenol p/n: MCA10511-0730-AXXX
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Retransmission Cable Assembly



- Used when connecting two AN/PRC-152(C) radios in a repeater configuration
- High-power retransmission system can be created by using these cables with the AN/VRC-110 50-watt vehicular power amplifier
- Internal co-location filtering in the AN/VRC-110 power amplifier reduces the need for external filters
- Harris p/n: 12041-7130-A1 = 50'; 12041-7130-A2 = 32.5"
- Amphenol Pcd p/n: MCA12041-7130-A1 = 50'; MCA12041-7130-A2 = 32.5"



Amphenol PCD connects people and technology for those who protect us! We are located in Beverly, Massachusetts and we are dedicated to supplying high quality cables to all branches of the military. Our cables are built for all harsh environments and designed to meet and exceed customer expectations. We have close alliances with other Amphenol divisions, enabling us to competitively offer full-turnkey integration of any connector onto a cable assembly. We offer quick-turn prototype services and production programs with short lead-times. Our experienced engineering staff is ready to assist you with any new design effort ranging from connector selection to full cable assembly design. Our facility is ITAR registered and ISO 9001:2008 and AS9100-C certified.

MIL-C-55116 Military Communications Audio Cable Assemblies



Amphenol Tactical Communications (ATC) Cable Assemblies are designed to be used in harsh environment applications and feature a rugged, watertight two (2) stage molding process. The AP Series Cable Assemblies are provided as finished, turnkey, factory-assembled, molded, cable assemblies. These assemblies are used to interface with all MIL-C-55116 applications such as military radio applications, ruggedized laptops and intercom systems.

MIL-22992 Class L Heavy Duty Power Cables



Amphenol MIL-22992 Class L assemblies are suited for Industrial and Military applications. These connectors and cable assemblies are designed to meet demands, ranging from 40 to 200 amps, for military shelters, vehicles, and remote power generation.

Headset and Soldier Accessory Cables



Amphenol focuses on connecting soldiers who protect us. We produce soldier-worn and ruggedized tactical communication cable assemblies. Our over mold technology withstands harsh environmental conditions. Our design team works closely with customers to assist them achieve SWAP (Size, Weight, And Power).

Over-braided Cable Assemblies or Ruggedized Ethernet Cable Assemblies



Amphenol produces over braided cable assemblies for the Military and Commercial Aerospace markets. Braiding material, which improves overall EMI performance, includes Stainless Steel, Tinned Copper, and Aluminum. Braiding materials such as Nylon and Nomex are used for cable jacketing and vary based on operating temperature.

Custom Molded Cables for Harsh Environments



Amphenol offers high performance injection-molded cable assemblies (PVC, TPU, LSZH, and Polyurethane). Amphenol performs potting and encapsulation with MIL-M 24041 epoxies. Our mold library supports most Amphenol and mil-spec connectors. With vast adhesion studies made on new plating materials, superior over-molding is achieved.

Ruggedized Ethernet and USB Cables



Amphenol offers high reliability Cat 5e cable and RJ45 / USB cable assemblies designed both for harsh or industrial environments. Our exterior cable designs consists of a UV resistant, polyurethane, halogen free flame retardant (HFFR) jacket and conductors are doubled shielded with a braid and foil (SFTP). Cat5e cables are designed to ISO/IEC11801 requirements. Our extensive offering of Ethernet, USB, FireWire, and ESATA connectors can be sold as cord sets with molded plugs and / or transversal receptacle sealing.

AN/PRC 117G and AN/PRC 152 Military Radio Data Connectors



Amphenol Tactical Communication (ATC) connectors and cable assemblies are designed to interface with the AN/PRC-117G and AN/PRC-152 military radio 32 pin data connector. These connectors are used to interface with ruggedized laptops, Intercom systems and FCB2. ATC connectors are available as field installable connector kits and as factory assembled molded cable assemblies. The ATC connectors are designed to be used in harsh environment applications and feature a rugged, watertight two (2) piece metal shell design. The design includes enhanced EMI-shielding capabilities to insure the superior performance that you would expect from Amphenol.

