



PBX

Systems LLC

Product Catalog

PBX Systems Product Line Card

Amplifiers

Algon/Powerwave
Andrew Wireless Solutions
(Wireless Innovation Group (WIG))
Cellular Specialties
Crescent
dbSpectra

Dekolink
EMR
Hyperlink
TPL
Teletronics Telewave

Antennas

AC Marine
Advanced Antenna
Airaya
Algon/Powerwave
Andrew Wireless Solutions
(Decibel, EMS)
Antel
ARC Wireless
Astron Wireless Technologies
Cellular Specialties
Ceragon Networks
Cielo Networks
Comprod
Comtelco
dbSpectra
DragonWave
EION Wireless
EMR

Gabriel
Hustler
Hyperlink
KMW Antennas
Kathrein/Scala
Laird Technologies
(Anterex, Centurian, Cushcraft,
Pacific Wireless)
Larsen
Mars Antennas
Mobile Mark
PCTEL (Antenna Specialist, Maxrad)
Radio Frequency Systems (RFS) Celwave
Radio Waves
Telewave
Tranzeo
Wireless Beehive

Connectors & Adapters

Amphenol
Andrew Wireless Solutions
Anritsu
Bird
Huber+Suhner
Lemo

PPC
RF Industries
Telewave
Times Microwave Systems
Trilogy

Chargers, Conditioners & Analyzers

BP Solar
iTech

W&W
Xantrex

Cable & Jumpers

Andrew Wireless Solutions
American Terminal
Belden
CommScope
Huber+Suhner

RF Industries
RFS Cablewave
SAT-PAK
Times Microwave Systems
Trilogy

Duplexers, Filters & Combiners

Algon/Powerwave
Andrew Wireless Solutions (WIG)
Anritsu
Cellular Specialties
Com-Nav
Comprod

dbSpectra
EMR
Microlab/FXR
RFS Cablewave
Telewave

Enclosures, Racks & Mounts

A.D.S.
Bud Industries
Direct Power & Water

Gambler-Johnson
PanaVise
UniRac

Fixed Broadband - Wireless/Microwave/Broadband Accessories

Adtran
Airaya
Andrew Wireless Solutions
BridgeWave
Ceragon Networks
Cielo Networks
Cyclone
DragonWave
EION Wireless
Engenius

Exalt
Inscape Data
IQinVision
MicroTik
Motorola
Nera
Proxim
RAD Data
Teletronics
Tranzeo

Installation Accessories

3M
American Terminal
Andrew Wireless Solutions

Times Microwave Systems
Valmont

Inverters

Astron
Exeltech
ICT
Newmar

Samlex
TrippLite
Xantrex

GPS

GPS Networking

Lighting Protection/Grounding

Andrew Wireless Solutions
Harger
Huber+Suhner
Larsen

PolyPhaser
TrippLite
Valmont

PC Accessories

Black Box

Network Technologies Inc (NTI)

Portable Batteries

East Penn
GNB Battery
GL Batteries
Honeywell Batteries

Multiplier
Power-Sonic
Universal Battery
W&W

Power Systems

BP Solar
DPW
Morningstar
Newmar
Power-Sonic
Sharp Electronics

Specialty Concepts
SunWise
Two Seas
UniRac
Xantrex

Power Supplies

Astron
DuraComm
ICT

Newmar
Samlex
TrippLite

Radios & Radio Accessories

ACT
CPI
GAI-Tronics
Gambler-Johnson
Tech Nova
PanaVise

RF Industries
Speco
Teledesign
Vertex Standard
W&W

Survey Hardware

Crain

RFS Cablewave
Times Microwave Systems

Tools

Andrew Wireless Solutions
Klein Tools

Test Equipment

Anritsu
Bird

Telewave

Tower & Site Equipment

Andrew Wireless Solutions
(Decibel, Steel Products)
Bud Industries
Easy Up
Harger
Huber+Suhner

PolyPhaser
Radian/Rohn
Richard Tell
Trylon
Valmont

UPS Systems

Exeltech
Newmar

TrippLite
Xantrex



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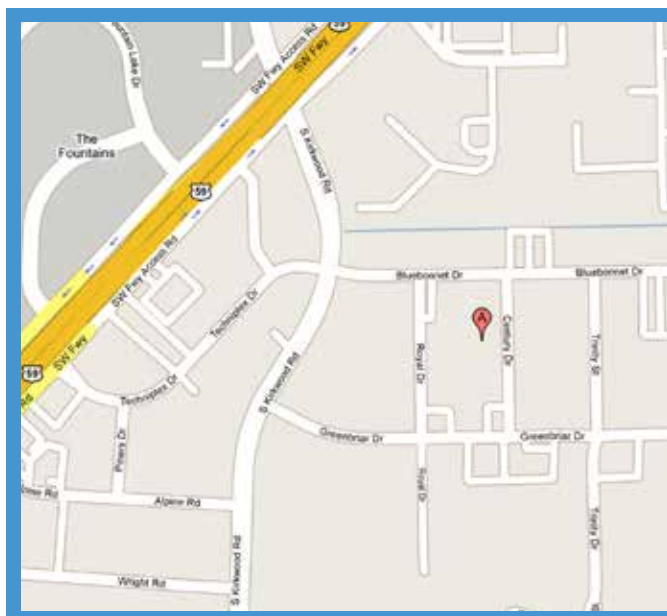
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Welcome to PBX Systems LLC and our latest Product Catalog! In this, our 9th year of business, we are proud to offer a growing list of field proven products to help your company improve productivity and efficiency.

The purpose of this catalog is two-fold:

First, we hope that this publication will help to keep our existing customers current with our growing product portfolio. Secondly, this catalog will introduce our new clients to a range of proven products that we've been selling to both large corporations as well as smaller companies for the last nine years.

Why buy from PBX Systems LLC? That's an easy question to answer! We know the equipment that we sell and we stand behind every order! Also, we ensure that our mission critical products come with 24/7 support.



12710 Century Drive | Stafford, Texas 77477

Our personnel have been either building, using, selling or designing GPS, data radios, RFID and embedded computer technology for a combined 215 years...and this includes development work on a GPS unit that's now sitting in the Smithsonian! We understand the technology that you're using to survey, position, log data and conduct seismic surveys. We'll work with you to ensure complete satisfaction with your order.

In these pages you'll find telemetry products, specialized interface cables, rugged packaging solutions, antennas, coaxial cables and lots more.

Specialized marine seismic hardware includes PosNet rGPS, tailbuoy power supplies, rugged RFID hardware and in-water tension monitoring systems.

Our growing line of product partners includes Teledesign Systems Inc. and their wireless modems, GPS Networking Inc. splitters, antennas, mounts and other GPS accessories, NTI's line of industrial KVM products, DVI/HDMI extenders and TIRIS compatible RFID hardware.

If you have questions either about our products or applications, call or e-mail us and we'll give you answers right away! Call us toll free at 1-866-763-2994.

Tripods



Item #	Description
Tri Max	
90550	Tripod, Tri-Max (Fiberglass), 44" to 71", Quick Clamp
90551	Tripod, Tri-Max (Fiberglass), 44" to 71", Screw Clamp
90560	Tripod, Tri-Max (Fiberglass), 54" to 91", Quick Dual Clamp
90561	Tripod, Tri-Max (Fiberglass), 54" to 91", Screw Dual Clamp
Aluminum	
22210	Tripod, Heavy Aluminum, 41.5" to 67", Flat Head, Quick Clamp
22215	Tripod, Medium Aluminum, 39.5" to 64.5", Flat Head, Quick Clamp
22216	Tripod, Medium Aluminum, 40" to 64.5", Dome Head, Quick Clamp
22225	Tripod, Extra Heavy Duty Aluminum, 41" to 64", Square Leg, Flat Head, Quick Clamp
22226	Tripod, Extra Heavy Duty Aluminum, 41" to 64", Square Leg, Dome Head, Quick Clamp
22227	Tripod, Extra Heavy Duty Aluminum, 41" to 66", Square Leg, Flat Head, Screw Clamp
22228	Tripod, Extra Heavy Duty Aluminum, 41" to 66", Square Leg, Dome Head, Screw Clamp
22312	Tripod, Heavy Aluminum, 42" to 67", Dome Head, Quick Clamp
Wood Fiberglass	
22217	Tripod, Wood/Fiberglass, 46" to 72.5", Quick Clamp
22218	Tripod, Wood/Fiberglass, 46" to 72.5", Screw Clamp



Prism Poles

Item #	Description
90200	Prism Pole, 15' Compositesite (Fiberglass).
90201	Prism Pole, 15' Alumilite (Aluminum).
90202	Prism Pole, 15' Carbonlite (Carbon).
90203	Prism Pole, 15' Carbonlite/ Alumilite.
90276	Prism Pole, 8' Alumilite (Aluminum).
90279	Prism Pole, 8' Carbonlite/Alumilite.
90280	Prism Pole, 8' Compositesite (Fiberglass).
90281	Prism Pole, 8' Carbonlite (Carbon).
90282	Prism Pole, 12' Compositesite (Fiberglass).
90283	Prism Pole, 12' Carbonlite (Carbon).
90284	Prism Pole, 12' Carbonlite/Alumilite.
90287	Prism Pole, 12' Alumilite (Aluminum).

Backpacks & Bags

Item #	Description
<i>We have a full line of bags and cases for surveying and GPS. A sample is listed below.</i>	
91472	GPS Backpack w/Dual Antenna Poles
91465	GPS Back Pack
91480	GPS Battery Case
91435	19" Stake Bag – Rhinotek
91440	37" Lath Bag
91458	Single Prism Bag
91462	Total Station Bag – Top Loading
91483	Total Station Bag – Front Loading
91463	Multi-Purpose Field Bag
91471	Padded Prism Pole Case

Prisms

Item #	Description
25570	Prism, Rotatable Adapter
25574	Prism, Heavy Duty Single Tilting, Yellow Target
25575	Prism, Heavy Duty Single Tilting, Orange Target

Tribrachs

Item #	Description
25580	Tribrach w/Optical Plummet, color Gray
25581	Tribrach w/Optical Plummet, color Yellow
25582	Tribrach w/Optical Plummet, color Black

Increase the range of your backpack radio....
Ask us about an antenna Maximizer!!



Frequency Ranges (MHz)

132-150	} VHF
150-174	
380-403	} UHF
403-419	
419-435	
435-451	
450-470	
464-480	
480-496	
496-512	

Radio Equipment

Item #	Description
TS4000-02A45SBB	Teledesign Systems Inc UHF Data radio, 450-470Mhz, 99 Ch, 19200bps, 2W, BNC connector, DE-9 data I/O, 13.5VDC, RS-232 input, supplied with power plug, setup software & manual
TS4000-02A45WTB	Teledesign Systems Inc UHF Data radio, 450-470Mhz, 99 Ch, 19200bps, 2W, TNC connector, Lemo data I/O 13.5VDC, RS-232 input, supplied with setup software & manual.** Requires Lemo - RS-232 programming cable (TS0360AGU)
TS4000-05B45SBB	Teledesign Systems Inc UHF Data radio, 450-470Mhz, 99 Ch, 19200bps, 5W, BNC connector, DE-9 data I/O, 13.5VDC, RS-232 input, supplied with power plug, setup software & manual.
TS4000-05B45WTB	Teledesign Systems Inc UHF Data radio, 450-470Mhz, 99 Ch, 19200bps, 5W, TNC connector, Lemo data I/O 13.5VDC, RS-232 input, supplied with setup software & manual.** Requires Lemo - RS-232 programming cable (TS0360AGU)
TS4000-05C15SBB	Teledesign Systems Inc VHF Data radio, 150-174Mhz, 99 Ch, 19200bps, 5W, BNC connector, DE-9 data I/O, 13.5VDC, RS-232 input, supplied with power plug, setup software & manual
TS4000-05C15WTB	Teledesign Systems Inc VHF Data radio, 150-174Mhz, 99 Ch, 19200bps, 5W, TNC connector, Lemo data I/O 13.5VDC, RS-232 input, supplied with setup software & manual.** Requires Lemo - RS-232 programming cable (TS0360AGU)
FGR115RC	FreeWave 900MHz Radio.
11-144/146	Teletronics 5.8GHz Wireless Ethernet Bridge.
54080-01	TS4000 Power Supply, 12 VDC out, 110V-240V AC in
KS1-EH900	NovaRoam 900MHz Ethernet Stationary Kit. Kit includes NovaRoam, Ethernet cable, and Wall Plug Power Supply.
Teletronics' TT2400	High Power 2.4GHz 802.11b/g AP/Bridge/CPE 250mW

To prolong the life of your data radio, remember to keep an eye on the amount of data you transmit. Most radios are rated to transmit about 35-50% of the time. This is the "duty cycle". If you transmit data for half a second you should wait half a second for the next cycle. GPS users listen up! If you transmit either RTK or DGPS data (or both!) then try to schedule output no more often than every two seconds and not the default one second rate. Your power amplifier will appreciate this and, if you're running off batteries, you'll extend your operating time too!



RF Adapter Cables

Item #	Description
16-319	Reverse TNC(M) to N(M), 1 foot .
16-337	TNC(M) to N(M), 1 foot.

Radio Filters

Item #	Description
6BCV4-2412/26C-N	ComNav 6 pole cross coupled cavity filter. Center frequency 2412 MHz.
6BCV4-2442/26C-N	ComNav 6 pole cross coupled cavity filter. Center frequency 2442 MHz.
6BCV4-2472/26C-N	ComNav 6 pole cross coupled cavity filter. Center frequency 2472 MHz.

Which radios do you need a license to operate? The 900Mhz and 2.4Ghz belong in the I.S.M. (Industrial, Scientific and Medical) band and, out of the box, are license free. So what's the catch? Well, as a rule, range can be limited especially in built-up areas. Also, the majority of users transmit using ISM equipment and so local interference can be an issue. If you can tolerate reduced bandwidth and also interface to the radios using a serial data port then UHF or VHF might be the answer. UHF and VHF do need a government license. This is normally a straight forward procedure and one that we can help you with. Note that the VHF band is normally quiet inland but noisy offshore. Range is typically very good. UHF will usually work both on and offshore with slightly reduced range.



Radio Cables

Item #	Description
Built by PBX Systems	
54530-00	Trimble 4700/4800/5700 to Teledesign TS4000 modem / PWR cable , Lemo 0B-7 (M) to DE9 (M) w/ open ends for power, 3'.
54960-00	Teledesign RF Adapter cable, BNC(M) to TNC(F), 6' .
55630-00	Trimble 4700/4800/5700 R/A to Teledesign TS4000 (watertight case) rover cable with power, Lemo 0B-7(M) R/A to Lemo 2B-19 (M) with 2 pin SAE, 3'
55640-00	Trimble 4700/4800/5700 R/A to Teledesign TS4000 (watertight case) base cable with power, Lemo 0B-7(M) R/A to Lemo 2B-19 (M) with 2 pin SAE, 6'
56280-00	Teledesign TS4000 standard case to antenna cable , BNC(M) to N(M) on 3' of RG58 cable.
56370-00	Teledesign TS4000 watertight case to antenna cable, TNC(M) to TNC(M) on 33' of RG58 cable.
56490-00	Teledesign TS4000 power cable with fuse holder , 2 pin SAE to 1/2 inch lugs w/Fuse Holder, 6'.
56800-00	Teledesign TS4000 (watertight case) to PC programming cable with power , Lemo 2B-19 (M) to DE9 (F) with 2 pin SAE, 3'.
58170-00	Trimble 4700/4800/5700 base to Teledesign TS4000 Watertight Case Cable , Lemo 0B-7(M) R/A to Lemo 2B-19(M) with 2 pin SAE, 6'.
58320-00	Trimble 4700/4800/5700 rover to Teledesign TS4000 Watertight Case Cable, Lemo 0B-7(M) to Lemo 2B-19(M), 6'.
TS0360AGU	Teledesign TS4000 Programming Cable for watertight case, Lemo 2B-19(M) to DE9(M) w/SAE for power, 3'. (built by Teledesign)

Amplifiers

Item #	Description
Teletronics - For military use or export only	
12-101	Teletronics 900MHz Smart Amp, 1 watt, outdoor case.
12-105	Teletronics 900 MHz SmartAmp, 5 watt, outdoor case.
12-206	Teletronics 2.4GHz SmartAmp, 1 watt, outdoor case.
12-207	Teletronics 2.4GHz SmartAmp, 5 watt, outdoor case.
12-505	Teletronics 5.8GHz SmartAmp, 1 watt, outdoor case.
UHF/VHF	
PA3-1AC-N	Amplifier, VHF Power amplifier, 1 - 4 watts in, 30-45 watts out, 13.6VDC at 8A, for GPS base station. Use w/Teledesign or Pac-Crest radio. Comes with power cord and radio jumper cable.
PA6-1AC-N	Amplifier, UHF Power amplifier, 1 - 4 watts in, 30-45 watts out, 13.6VDC at 8A, for GPS base station. Use w/Teledesign or Pac-Crest radio. Comes with power cord and radio jumper cable.
Hyperlink - For military use or export only	
HA2406T-NF	2.4 to 2.5 GHZ Amplifier, 6 Watt with N type Female Connectors.
HA2410T-NF	2.4 to 2.5 GHZ Amplifier, 10 Watt with N type Female Connectors.
HA910-APC	902-926 MHz Amplifier, 10 Watt.

The secrets to trouble free radio communications are to keep the equipment as cool as possible and ensure that you have a good battery/power source and well kept cables! Make a habit of inspecting the cables and connectors. If radio connectors are loose and rotate on the cable or you can see braid sticking out the back of them, get the cables checked! PBX will do this for free! Just give us a call...



call toll free 1-866-763-2994

Antenna Kits

Item #	Description
RAKUHF	Teledesign Systems Inc UHF Rover Antenna Kit includes range pole Maximizer Antenna mount and Omni-Directional 5dBi gain 33 inch whip antenna. Select BNC or TNC connectors for 1.5 meter antenna cable.
RAKVHF	Teledesign Systems Inc VHF Rover Antenna Kit includes range pole Maximizer Antenna mount and Omni-Directional 3dBi gain 49 inch whip antenna. Select BNC or TNC connectors for 1.5 meter antenna cable.
PBX450	Colinear Antenna, 450-470 MHz, 5dB, field tunable (mounts on PBX340 range pole)

Antenna Mounts

Item #	Description
UHF, range pole mounts, 5/8-11	
PBX340R/B,	Rover, 1.5m cable with BNC
PBX340R/T,	Rover, 1.5m cable with TNC
PBX340B/B,	Base, 4.5m cable with BNC
PBX340B/T,	Base, 4.5m cable with TNC
PBX340G/T,	Base, 7.6m cable, with TNC
VHF, range pole mounts, 5/8-11	
PBX341R/B,	Rover, 1.5m cable with BNC
PBX341R/T,	Rover, 1.5m cable with TNC
PBX341B/B,	Base, 4.5m cable with BNC
PBX341B/T,	Base, 4.5m cable with TNC

Survey Miscellaneous

Item #	Description
AD251	GPS antenna, L1 only, N type Female connector.
AD410	GPS Antenna, L1/L2
57860-00	Trimble Navigation Ltd Trimble Bullet III GPS Antenna w/TNC connector
Batteries	
TRB-2	Lithium Ion 2.4Ah 7.4V for use in Trimble TSC-1 and 5700 GPS Receivers
54344-00	Trimble Battery for 5700 and TSC1.

Cable Assemblies

Item #	Description
<i>PBX Systems LLC builds a full line of cable assemblies shown below. We also offer custom cable assemblies</i>	
<i>Note: Lengths of cable can be user specified –nn denotes length</i>	
PBX Systems Cable for Leica Equipment	
56020-nn	Leica Optical to Data Controller and Battery pack cable, Lemo 1B-5(M) to DE9(F) and Lemo 0B-5(M)
55690-nn	Leica 530 to Airlink Raven w/power, Lemo 1B-8(M) to DE9(F) with 2 pin Molex
56040-nn	Leica 530 power cable with fuse holder, Lemo 0B-5 (M) to SAE w/Fuse Holder
56210-nn	Leica 530 power cable, 2 pin SAE to Fastons, 8 inches. (goes with 56040-nn)
56400-nn	Leica 530 Rover to Teledesign TS4000 (watertight case) cable with internal power, Lemo 1B-8 (M) to Lemo 2B-19 (M), GPS powers radio
56410-nn	Leica 530 Base to Teledesign TS4000 (watertight case) cable with power and fuse holder. Lemo 1B-8 (M) to Lemo 2B-19 (M) w/ 2 pin SAE and Fuse Holder
56420-nn	Leica 530 to Terminal cable, Lemo 1B-5(M) to Lemo 1B-5(M)
57560-nn	Leica 530 to PC cable, Lemo 1B-5(M) to DE9(F)
58120-nn	Leica data extension cable, Lemo 0B-5(M) to Lemo 0B-5(F)
58160-nn	Leica 530 to Teledesign TS4000 (standard case) Cable, Lemo 1B-8(M) to DE9(M)
58490-nn	Leica 1200 to Terminal Cable, Lemo 1B-8(M) to Lemo 1B-8(M)
PBX Systems Cable for PacCrest Equipment	
54190-nn	PacCrest RFM96W/PDL Rover to Trimble 4000 (port 2) cable with internal power, Lemo 1B-7(M) to Lemo 0B-5(M), Trimble powers radio.
54420-nn	PacCrest RFM96W to Antenna cable, N type (M) to BNC (M) on RG58 cable.
54730-nn	PacCrest 35W/PDL Base w/power to PC cable, Lemo 1B-5(M) with 2 pin SAE to DE9(F)
55060-nn	PacCrest 35W/PDL Base frequency change cable w/ power, Lemo 1B-5(M) w/SAE to DE9 (F),
55170-nn	PacCrest 35W/PDL Base to Trimble 4000 (port 2) cable w/ power, Lemo 1B-7(M) to Lemo 1B-5(M) with 2 pin SAE.
55700-nn	PacCrest RFM96W to Battery cable, 2 pin SAE with Fuse Holder to Lugs.
58480-nn	PacCrest RFM96W/PDL Rover to Trimble 4700/4800/5700 Base Cable , Lemo 0B-7(M) to Lemo 0B-5(M) with 2 pin SAE.
57940-nn	PacCrest 35W/PDL Base w/power to Sokkia Radian cable, Lemo 1K-10(M) to Lemo 1B-5(M) with 2 pin SAE.
55850-nn	PacCrest RFM96S to Lugs power cable , Molex 2 connector (M) to 1/2 inch lugs w/Fuse Holder.
PBX Systems Cable for Sokkia Equipment	
58280-nn	Sokkia to TSC-1 Cable, Hirose 6(M) to Lemo 0B-7(M).
55940-nn	Sokkia to PC download cable, Hirose 6 (M) to DE9 (F).
PBX Systems Cable for Teledesign radios	
54530-nn	Trimble 4700/4800/5700 to Teledesign TS4000 (standard case) w / PWR cable, Lemo 0B-7(M) to DE9(M) w/ open ends for power
54960-nn	Teledesign TS4000 (standard case) RF Adapter cable, BNC(M) to TNC(F)
55630-nn	Trimble 4700/4800/5700 R/A to Teledesign TS4000 (watertight case) Rover cable w/ power, Lemo 0B-7(M) R/A to Lemo 2B-19 (M) with 2 pin SAE.
55640-nn	Trimble 4700/4800/5700 R/A to Teledesign TS4000 (watertight case) Base cable w/ power, Lemo 0B-7(M) R/A to Lemo 2B-19 (M) with 2 pin SAE.
56280-nn	Teledesign TS4000 (standard case) to antenna cable, BNC(M) to N(M) on RG58 cable
56370-nn	Teledesign TS4000 (watertight case) to antenna cable, TNC(M) to TNC(M) on RG58 cable
56490-nn	Teledesign TS4000 (watertight case) power cable w/ fuse holder , 2 pin SAE to 1/2 inch lugs w/ Fuse Holder

Why do we fuse both the +ve and -ve leads on most radio power cables? If you reverse the wiring on your GPS receiver to a car battery the negative terminal on the data cable to your radio is now live at 12v. If the radio is wired correctly you'll short the 12v through the negative connected radio data plug and start making smoke! Our dual fuses help to make sure you're covered!!



Cable Assemblies

Item #	Description
PBX Systems Cable for Teledesign radios continued	
56800-nn	Teledesign TS4000 (watertight case) w/power to PC programming cable, Lemo 2B-19 (M) to DE9 (F) with 2 pin SAE.
58170-nn	Trimble 4700/4800/5700 Base R/A to Teledesign TS4000 (watertight case) cable, Lemo 0B-7(M) R/A to Lemo 2B-19(M) with 2 pin SAE.
58320-nn	Trimble 4700/4800/5700 Rover to Teledesign TS4000 (watertight case) cable, Lemo 0B-7(M) to Lemo 2B-19(M).
TS0360AGU	Teledesign TS4000 (watertight case) to PC Programming cable, Lemo 2B-19(M) to DE9(M) w/SAE for power.
57280-nn	2 pin SAE to Cigarette Adapter Power cable.
57440-nn	2 pin SAE to Alligator Clips Power Cable with Fuse Holder.
PBX System Cables for Topcon Equipment	
55050-nn	Topcon to PC download cable, ODU-7 (M) to DE9 (F).
57780-nn	Topcon Legacy to PacCrest 35W/PDL Base cable w/ power, Fischer 7(M) to Lemo 1B-5 (M) with 2 pin SAE.
57790-nn	Topcon Legacy to PacCrest RFM96W/PDL Rover cable w/ power, Fischer 7(M) to Lemo 0B-5 (M) with 2 pin SAE
PBX System Cables for Trimble Equipment	
A00386	Trimble 4000 (port2) to PacCrest RFM96W cable w/ internal power, Lemo 1B-7(M) to Lemo 0B-5(M) Trimble powers radio. For rover/ receive only.
ACFRS-90	Trimble 4700 Right Angle to Single Camcorder battery power cable, Lemo 0B-7(M) R/A to single 'P' clip.
55750-nn	Trimble 4000 (port 1) to 1/2" Lugs power cable, Lemo 1B-5 (M) to 1/2" Lugs
57650-nn	Trimble 4000 (port 1) to Alligator Clips power cable w/ fuse holder, Lemo 1B-5 (M) to Alligator Clips w/ Fuse Holder.
56250-nn	Trimble 4000 (port 1) to Dual Camcorder batteries cable, Lemo 1B-5 (M) to dual 'P' clips.
56190-nn	Trimble 4000 (port 1) to Quad Camcorder batteries cable, Lemo 1B-5 (M) to quad 'P' clips.
56320-nn	Trimble 4000 (port 1) to Faston Battery Lugs power cable w/ fuse holder, Lemo 1B-5 (M) to Faston Battery Lugs w/Fuse Holder.
56200-nn	Trimble 4000 (port 1) to Fastons Battery Lugs power cable w/ dual fuse holders, Lemo 1B-5 (M) to 1/2 inch lugs with both leads fused.
59010-nn	Trimble 4000 (port 1) to PC cable, Lemo 1B-5(M) to DE9(F)
56390-nn	Trimble 4000 (port 1) to Trimmark IIe cable, Lemo 1B-5 (M) to Lemo 0B-7 (M).
58020-nn	Trimble 4000 (port 1) to TSC-1 cable, Lemo 1B-5(M) to Lemo 0B-7(M).
59020-nn	Trimble 4000 (port 2) to PC cable, Lemo 1B-7(M) to DE9(F)
55740-nn	Trimble 4000 (port 2) to Teledesign TSI9600 data cable, Lemo 1B-7(M) to DE9(M),
57990-nn	Trimble 4000 (port 2) to Trimmark II cable, Lemo 1B-7(M) to Lemo 0B-5(M).
57980-nn	Trimble 4000 (port 2) to Trimmark III cable, Lemo 1B-7(M) to Lemo 0B-7(M).
55000-nn	Trimble 4000 (port 2) to TSC-1 controller cable, Lemo 1B-7(M) to Lemo 0B-7(M).
57910-nn	Trimble 4000(port 2) to PacCrest 35W old style cable w/power, Lemo 1B-7(M) to Lemo 0B-5(M) and Lemo 0B-2(M) with 2 pin SAE.
57880-nn	Trimble 4000(port 2) to TDC-1 cable, Lemo 1B-7(M) to Hirose 12(M).
14553-nn	Trimble 4000/4400/4700 to L1/L2 antenna cable, Lemo coax (M) to N(M).
14553-01	Trimble 4000/4400/4700 to RA L1/L2 antenna cable, Lemo coax (M) to N(M) R/A.
57730-nn	Trimble 4000/4400/4700/4800 GPS Antenna Adapter cable for L1/L2 antennas, Lemo RF Coax (M) to N (F).
54370-nn	Trimble 4000/4400/4700/4800 GPS Receiver to L1/L2 Antenna cable, Lemo RF Coax (M) to N(M)

Cable Assemblies

Item #	Description
PBX Systems Cable for Trimble Equipment continued	
57530-nn	Trimble 4000/4400/4700/4800 GPS Receiver to Zepher antenna cable, Lemo RF Coax(M) to TNC (M) on RG58 cable.
57430-nn	Trimble 4000/4400/4700/4800 to Zepher antenna R/A cable, Lemo RF Coax (M) to TNC (M) R/A on RG58 cable.
54520-nn	Trimble 4000/4700 Antenna to N adapter cable, Lemo RF Coax (M) to N(F) on RG58 cable.
55280-nn	Trimble 4700/4800/5700 R/A to single Camcorder battery cable, Lemo 0B-7(M) R/A to single 'P' clip.
58130-nn	Trimble 4000/4700 to L1/L2 R/A antenna cable, Lemo RF Coax(M) to N(M) RA.
33928-02	Trimble 4700/4800/5700 to dual Camcorder batteries cable, Lemo 0B-7(M) to two 'P'clips.
A00925	Trimble 4700/4800/5700 to PacCrest RFM96W cable w/ internal power, Lemo 0B-7(M) to Lemo 0B-5(M) Trimble powers radio. For rover/ receive only.
35594-nn	Trimble 4700/4800/5700 GPS Receiver extension cable, Lemo 0B-7(M) to Lemo 0B-7(F).
55241-nn	Trimble 4700/4800/5700 or TSC-1 controller w/ power to PC cable, Lemo 0B-7(M) with 2 pin SAE to DE9(F).
32960-nn	Trimble 4700/4800/5700 or TSC-1 to PC download cable, Lemo 0B-7(M) to DE9(F).
54180-nn	Trimble 4700/4800/5700 R/A to TSC-1 controller cable, Lemo 0B-7(M) R/A to Lemo 0B-7(M).
58340-nn	Trimble 4700/4800/5700 to Alligator Clips cable w/fuse holder , Lemo 0B-7(M) to Alligator Clips with inline fuse holder.
57590-nn	Trimble 4700/4800/5700 to Cigarette Adapter power cable, Lemo 0B-7 (M) to Cigarette Adapter.
55270-nn	Trimble 4700/4800/5700 to Faston Lugs power cable w/ fuse holder , Lemo 0B-7 (M) to Faston Battery Lugs w/ in line Fuse Holder.
57580-nn	Trimble 4700/4800/5700 to old style PacCrest 35W, Lemo 0B-7(M) to Lemo 0B-5(M), Lemo 0B-2(M), and 2 pin SAE connector,
54580-nn	Trimble 4700/4800/5700 to Open Ended power cable, Lemo 0B-7 (M) to open ends
57770-nn	Trimble 4700/4800/5700 to PacCrest 35W/PDL Base cable w/ power, Lemo 0B-7 (M) to Lemo 1B-5 (M) and 2 pin SAE.,
55560-nn	Trimble 4700/4800/5700 to PacCrest RFM96W/ PDL rover cable w/ internal power for rover backpack , Lemo 0B-7(M) to Lemo 0B-5(M) Trimble powers radio.
54430-nn	Trimble 4700/4800/5700 to PacCrest RFM96W/PDL cable, Lemo 0B-7(M) to Lemo 0B-5(M)
54360-nn	Trimble 4700/4800/5700 to single Camcorder battery cable, Lemo 0B-7(M) to single 'P' clip.
55140-nn	Trimble 4700/4800/5700 to Teledesign TS4000 cable, Lemo 0B-7 (M) to DE9(M)
53560-nn	Trimble 4700/4800/5700 to Trimmark II radio cable, Lemo 0B-7 (M) to Lemo 1B-5 (M), .
53570-nn	Trimble 4700/4800/5700 to TSC-1 controller cable, Lemo 0B-7(M) to Lemo 0B-7(M).
54660-nn	Trimble 4700/4800/5700 to Zepher antenna cable, TNC(M) to TNC(M) R/A on RG58 cable.
57710-nn	Trimble 5700 GPS antenna to Lemo RF Female Coax adapter cable, TNC (M) to Lemo RF Coax (F).
55930-nn	Trimble 5700 to L1/L2 antenna cable, TNC (M) to N (M) on RG58 cable.
57270-nn	Trimble 5700 to Zepher antenna cable, TNC (M) to TNC (M) on LMR400 cable.
57020-nn	Trimble 5700 to Zepher antenna cable, TNC (M) to TNC (M) on RG58 cable.
32959-nn	Trimble TSC-1 to Trimble OSM data transfer cable, Lemo 0B-7(M) to Lemo 1B-5(F).
54790-nn	Trimble TSC-1 to Trimble OSM II data transfer cable, Lemo 0B-7(M) to Lemo 1B-5(F).
PBX Systems Cable for Trimmark Equipment	
58960-nn	Trimmark II to Battery Cable, Fischer 2(M) to Terminal Rings with Fuse Holder

Antenna Cable

Item #	Description
PBX Systems Antenna Cable	
56360-10	N(M) to N(M) on RG58 cable.
56380-nn	TNC(M) to N(M) on RG58 cable.
56460-nn	N(M) to N(M) on LMR400 cable.
58330-10	N(M) to N(F) on RG58 cable.
55890-nn	N(M) to N(M) Right Angle on RG58 cable.
59800-nn	SMA(M) Reverse Polarity to N type Female on LMR240 cable.
55760-nn	TNC (M) to TNC (F) on RG58 cable

Bulk Coax Cable

Item #	Description
LMR-400 Cable	LMR-400 low loss coax cable, 3/8", braided, 500 ft roll.
LMR-400-DB	LMR-400 low loss coax cable, 3/8", Foam Polyethylene, Braided, Direct Burial, 500 ft roll.
LMR-400-UF	LMR-400 low loss coax cable, 3/8", Foam Polyethylene, Braided, UltraFlex, 500 ft roll.
LMR-240	LMR-240 low loss coax cable, 1/4 inch, Foam, Polyethylene, Braided, 500 foot roll.
LMR-600	LMR-600 low loss coax cable, 1/2 inch, braided, 500 foot roll.
LMR-600-DB	LMR-600 low loss coax cable, 1/2 inch, Foam Polyethylene, Braided, 500 foot roll.
LMR-900-DB	LMR-900 low loss coax cable, 500 foot roll, 5/8 inch, braided.
BEL-8240	RG-58/U, Polyethylene, 51.5 Ohm, braided coaxial cable.
BEL-9311	RG-58A/U, 1/5 inch, Foam Polyethylene, braided coaxial cable.
RG-142	RG-142, 1/5 inch braided coaxial cable. 500 foot roll
RG-213	RG-213, .375 inch braided coaxial cable. 500 foot roll
RG-214	RG-214, .425 inch braided coaxial cable. 500 foot roll



RF Connectors

Item #	Description
LMR240	
RFT-1201-1X	TNC(M) Clamp Connector.
TMC-EZ-240-NMH-D	N(M) Crimp Connector.
TMC-EZ-240-SM	SMA(M) Crimp Connector.
TMC-EZ-240-TM-RP	TNC(M) Reverse Polarity Crimp Connector.
TMC-TC-240-BMC	BNC (M) Clamp Connector.
TMC-TC-240-MUHF	Mini-UHF (M) Clamp Connector.
TMC-TC-240-NMC	N type (M) Clamp connector.
LMR400	
RFU-507-1	UHF(F) Clamp Connector.
RFU-507-S1	UHF(M) Clamp Connector.
RP-1216-1	TNC(F) Reverse Polarity Crimp Connector.
TMC-EZ-400-NF	N(F) Crimp Connector.
TMC-EZ-400-NMH	N(M) Crimp Connector.
TMC-EZ-400-NMK	N(M) Crimp Connector.
TMC-EZ-400-TM	TNC(M), Crimp Connector.
TMC-EZ-400-UM	UHF(M) Crimp Connector.
TMC-TC-400-BM	BNC (M) Clamp connector.
TMC-TC-400-MUHF	Mini-UHF (M) Crimp connector.
TMC-TC-400-NFC	N type (F) Clamp Connector.
TMC-TC-400-NMC	N type (M) Clamp connector.
TMC-TC-400-NMC-RA	N type (M) R/A clamp connector.
TMC-TC-400-NMH-D	N type (M) Crimp Connector.
TMC-TC-400-TF-RP	TNC(F) Reverse Polarity Connector.
TMC-TC-400-TM	TNC(M) Crimp connector.
TMC-TC-400-TM-RA	TNC(M) R/A Crimp connector.
TMC-TC-400-TM-RP	TNC(M) Reverse Polarity Crimp Connector.
LMR600	
TMC-EZ-600-NF	N(F), Crimp Connector.
TMC-EZ-600-NMH-D	N(M), Crimp Connector
TMC-EZ-600-TM	TNC(M),Crimp Connector
TMC-EZ-600-TM-RP	TNC(M) Reverse Polarity, Crimp Connector.
TMC-EZ-600-UM	UHF(M) Crimp Connector.
TMC-TC-600-716MC	7/16 DIN(M) Clamp Connector.
TMC-TC-600-NMH-D	N(M) Crimp Connector.
LMR900	
TMC-EZ-900-NMC-2	N(M), Crimp Connector.
RG8	
TMC-SC-400-NM	N(M) Crimp Connector.

We stand behind our products

Our product list is revised daily - call toll free 1-866-763-2994

RF Connectors

Item #	Description
RG58	
RFU-600-6	miniUHF(M) Crimp Connector.
RP-1212-C	TNC(F) Reverse Polarity Crimp Connector.
RP-3000-C	SMA(M) Reverse Polarity Crimp Connector.
RSA-3100-C	SMA(M) Clamp Connector.
RFB-1100-2	BNC(M) Clamp Connector.
RFB-1100-2ST	BNC(M) Clamp Connector.
RFB-1123-1	BNC(F) Clamp Connector.
RFN-1000-N	N(M) Clamp Connector.
RFN-1005-3C	N(M) Crimp Connector.
RFN-1005-3C1	N(M) Crimp Connector.
RFN-1009-C	N(M) Right Angle Crimp Connector.
RFN-1025-1	N(F) Clamp Connector.
RFN-1027	N(F) Crimp Connector.
RFT-1200	TNC (M) Clamp Connector.
RFT-1202-2	TNC(M) Crimp Connector.
RFT-1216-1	TNC(F) Reverse Polarity Crimp Connector.
RFT-1218	TNC(M) Right Angle Crimp Connector.
RFU-500	UHF(M) Clamp Connector.
RG213	
RFN-1006-3E	N(M) Crimp Connector.
RG214	
RFN-1006-3F	N(M) Crimp Connector.

Tools for Connectors

Item #	Description
TMC-TK-400-EZ	Tool Kit for applying Crimp Connectors to LMR-400 cable
TMC-TK-600-EZ	Tool Kit for applying Crimp Connectors to LMR-600 cable
RFA-4005	Crimp Tool for RG-214 cable.
CCT-01	Tool for cutting all sizes of LMR cable.
CT-240	Crimp Tool for LMR-240 cable.
CT-400/300	Crimp Tool for LMR-300 and LMR-400 cable.
DBT-01	Tool for deburring LMR-400 or LMR-600
DBT-02	Tool for deburring LMR-240 cable.
DBT-U	Tool for deburring LMR-195 to LMR-600 cable.
HX-4	Tool for Crimping LMR cable, Handle only.
Y1719	Die Set for Crimp connectors using LMR-400, handle sold separately.
Y1720	Die Set for Crimp connectors using LMR-600, handle sold separately.
ST600-EZ	Cable Preparation Tool for Crimp connector, LMR-600
ST900/1200 EZ	Cable Preparation Tool for Crimp connector, LMR-900 and LMR-1200
ST-240-EZ	Cable Preparation Tool for Crimp connector, LMR-240
TMC-RB-456	Replacement Blades for ST600-EZ.

Lightning Protectors

Item #	Description
17-502	Gas Discharge Lightning Arrestor.
DSXL	Polyphaser, 800-2200MHz, DC Blocked, N type Female Connectors.
PSXL	Polyphaser, 1200-2800MHz, DC Blocked, N type Female Connectors.
DGXZ+15NFNF-A	Polyphaser, 800-2500 MHz, DC Pass, N type Female Connector.

Help protect your permanent GPS installation! Use a surge protector on the power plugs and install one of our lightning protectors in the GPS antenna feed. Call us for recommendations!

Antennas

Item #	Description
Maxrad	
Note: Maxrad antennas require MMK3 mounts	
MFB1560	VHF unity gain whip antenna 156-162 Mhz, N type female connector, omni-directional, 0dBd gain, 71" long .
MFB1563	VHF 3dB gain whip antenna 156-162 Mhz, N type female connector, omni-directional, 3dBd gain, 129" long,
MFB4500	UHF unity gain whip antenna 450-470 Mhz, N type female connector, omni-directional, 0dBd gain, 30" long .
MFB4503	UHF 3dB gain whip antenna 450-460 Mhz, N type female connector, omni-directional, 3dBd gain, 71" long .
MFB4505	UHF 5dB gain whip antenna 450-460 Mhz, N type female connector, omni-directional, 5dBd gain, 77" long .
MFB9153	902-928 MHz, 3 dBd gain, Omni-directional, N(F) Connector.
MMK3	Antenna Mounting bracket for fibreglass whip antennas. Contains full kit for pipe-mounting one antenna.
PBX450	Colinear Antenna, 450-470 MHz, 5dB, field tunable (mounts on PBX340 range pole mount)
RFI Industries	
HD70	Mopole Ground Independent Antenna, 70-85 MHz, unity gain, heavy duty, UHF (F) connector.
CD17-26-73	Mopole Ground Independent Antenna, 70-77 MHz, unity gain, stainless steel.
CD18-26-73	Mopole Ground Independent Antenna, 70-77 MHz, unity gain, Fiberglass.
CD28-37-70	Mopole Ground Independent Antenna, 133-163 MHz, unity gain, stainless steel.
CISCO	
15-521	5.8 GHz, 12 dBi gain, Omni-Directional Antenna
Teletronics	
AIR-ANT2506	2.4Ghz, WiFi Whip Antenna
Pacific Wireless	
ODH24-13	13 dBi gain, Omni-Directional Antenna

Antennas

Item #	Description
Antennex	
Note: Antennex antennas require an FM-2 mount	
FG1560	VHF unity gain whip antenna 156-162 Mhz, omni-directional 0dBd gain, 68" long, N (F) connector.
FG1563	VHF 3dB gain whip antenna 156-162 Mhz, omni-directional 3dBd gain, 107" long, N (F) connector.
FG4500	UHF unity gain whip antenna 450-470 Mhz, omni-directional 0dBd gain, 26" long, N (F) connector.
FG4503	UHF 3dB gain whip antenna 450-460 Mhz, omni-directional 0dBd gain, 26" long, N (F) connector.
FG4505	UHF 5dB gain whip antenna 450-460 Mhz, omni-directional 5dBd gain, 76" long, N (F) connector.
FG4505W	UHF 5dB gain whip antenna 450-470 Mhz, omni-directional 5dBd gain, 76" long, N (F) connector.
FM-2	Mounting bracket for fibreglass whip antennas, Contains full kit for pipe-mounting one antenna
Astron	
V9180	900 MHz, unity gain, Omni-directional, N (F) connector on one foot pigtail.
V9180FXNF	900 MHz, unity gain, Omni-directional, waterproof, N (F) connector.
VG2400	2.4GHz, unity gain, Omni-directional, N (F) connector on one foot pigtail.
VG2400IOFXNF	2.4GHz, unity gain, Omni-directional, waterproof, N (F) connector.
Cushcraft	
CSS-S2403BP12NF	2.4 to 2.5 GHz, 3 dbi gain, Omnidirectional with N type Female Connector.
Celwave	
BA-1012-1	144-162 MHz, Unity gain, Omnidirectional with N(F) connector. Includes mounting hardware.
BA-6312-0	406-512 Mhz, 3 dBd gain, Omnidirectional, N(F) Connector w/Mounting Kit.
PD201-7	450-470 MHz, 5 dBd gain, Omnidirectional, N(F) connector. Includes mounting hardware.
BA-1012-2	RFS Antenna, 154-174 Mhz, Unity Gain, Omnidirectional, N(F) connector. Includes Mounting Kit.
Decibel	
DB586Y	890 to 960 Mhz, 6 dBd gain, Omni-directional, N(F) connector.
DB906SN-T	2.4 Ghz, 6 db gain, Omni-directional, fiberglass, N(F) connector.
ASPA320	Andrews Decibel Antenna mounting clamp used with pole, mast, or tower leg, 1 to 2.75 inches, brackets & clamps.
Kathrein/Scala	
733-736	Antenna Mounting Kit for 2" to 4.9" mast.
800-10253	Directional Panel Antenna, 380-500 MHz, 12.5 dBd gain, DIN 7/16 connector. Needs 733-736 Mounting Kit.
K7516221	420-449 MHz, 7 dbi gain, Omni-directional, fiberglass, N(F) connector.
K5126411	68-78 MHz, 0 db gain, Omni-directional, fiberglass, N(F) connector.
OGB9-915-N	870-960 MHz, 9 dBd gain



For permanent installations of more than 150ft we recommend a lower loss coax from Times Microwave or Andrew. When connecting your GPS or radio equipment, consider using a short flexible pigtail into the equipment. This will ensure the stiff coax doesn't strain, and possibly break the equipment housing. Also make sure you install a "drip loop" to stop water running down the coax or into the connectors.





Fiber Cable

Item #	Description
We have a complete line of Fiber Patch Cable	
Specify :	
Length: 1m, 2m, 3m, 5m, 10m	
Single Mode or Multimode	
Simplex or Duplex	
9/125, 50/125, 62.5/125	



Network Cables

Item #	Description	
CAT5E Cable		
Unshielded Twisted Pair (UTP)		
24 AWG stranded cable		
Molded with or without Boot		
Designate Patch or Cross Over Patch (add a P or C after the part number)		
Non-standard sizes and colors available		
Part No.	Length	Color
P10X6-310G103	3 ft.	Gray
P10X6-310G107	7 ft.	Gray
P10X6-310G114	14 ft.	Gray
P10X6-310G125	25 ft.	Gray
P10X6-310R103	3 ft.	Red
P10X6-310R107	7 ft.	Red
P10X6-310R114	14 ft.	Red
P10X6-310R125	25 ft.	Red
P10X6-310K103	3 ft.	Black
P10X6-310K107	7 ft.	Black
P10X6-310K114	14 ft.	Black
P10X6-310K125	25 ft.	Black
P10X6-310B103	3 ft.	Blue
P10X6-310B105	5 ft.	Blue
P10X6-310B107	7 ft.	Blue
P10X6-310B110	10 ft.	Blue
P10X6-310B114	14 ft.	Blue
P10X6-310B125	25 ft.	Blue
P10X6-310Y103	3 ft.	Yellow
P10X6-310Y105	5 ft.	Yellow
P10X6-310Y107	7 ft.	Yellow
P10X6-310Y110	10 ft.	Yellow
P10X6-310Y114	14 ft.	Yellow
P10X6-310Y125	25 ft.	Yellow



Don't take chances... We'll check your cables for free!



Network Cables

Item #	Description	
CAT6 Cable		
Unshielded Twisted Pair (UTP)		
24 AWG stranded cable		
Molded with or without Boot		
Designate Patch or Cross Over Patch (add a P or C after the part number)		
Non-standard sizes and colors available		
Part No.	Length	Color
P10X8-310G103	3 ft.	Gray
P10X8-310G107	7 ft.	Gray
P10X8-310G114	14 ft.	Gray
P10X8-310G125	25 ft.	Gray
P10X8-310G150	50 ft.	Gray
P10X8-310B103	3 ft.	Blue
P10X8-310B107	7 ft.	Blue
P10X8-310B114	14 ft.	Blue
P10X8-310B125	25 ft.	Blue
P10X8-310B150	50 ft.	Blue
P10X8-310W103	3 ft.	White
P10X8-310W107	7 ft.	White
P10X8-310R103	3 ft.	Red
P10X8-310R107	7 ft.	Red
P10X8-310R125	25 ft.	Red
P10X8-310R150	50 ft.	Red
P10X8-310N103	3 ft.	Green
P10X8-310N107	7 ft.	Green
P10X8-310N114	14 ft.	Green
P10X8-310K107	7 ft.	Black
P10X8-310K114	14 ft.	Black
P10X8-310K125	25 ft.	Black
P10X8-310Y103	3 ft.	Yellow
P10X8-310Y107	7 ft.	Yellow



We'll check your cables for free!

Optical DVI extenders up to 100m

- Digital display systems interconnection for medical, military, aero, factory, and traffic control
- Digital FPDs, PDPs and projectors in conference room and auditorium
- Kiosk with digital FPDs
- Color LED signboards, FPDs and PDPs for information display and stadiums

Optical Cables

Item #	Description
Optical DVI extenders	
PBX1-1P0	Point to point Hybrid Cable
PBX1-1000	Express All-Fiber DVI Cable
PBX1-100A	Virtual EDID All-fiber DVI Cable
PBX1-201SA-TR	Fiber only Detachable Module
PBX1-201DA-TR	Two Fiber Detachable Module
PBX1-201CA-TR	One Fiber Detachable Module
PBX1-2R2-TR	Fiber/copper Detachable Module
PBX1-2R2VI-DU	Dual Link Detachable Module
PBX1-3R2VI-DU	Universal Dual-link Detachable Module
PBX5-2000/2001	Optical DVI Daisy-Chain
Optical HDMI Extender	
PBX1-2R2H-TR	Fiber/Copper Detachable Module
PBX1-2000	Point to Point HDMI Cable

Optical Cables

Item #	Description
Optical USB Extender	
	PBX2-1xx Pure Fiber-Optic USB Cable
	PBX2-2xx Hybrid Fiber USB Cable
	Optical firewire Repeater
PBX4-200	Pair of two repeaters, one-optical and two-electrical ports
PBX4-201	Pair of two repeaters, two-optical and one-electrical ports; provides a long fiber-optic extension of additional 1394 devices. capable of two-way fiber connection in forward and backward directions, which eventually makes a daisy chain with each repeater of M4-200 at both ends
Optical multi-interface Extender	
PBX5-1001	SM-Duplex Detachable Module
PBX5-1002	Optical DVI,Audio Extension Module
PBX5-2A2-TR	Digital Video/Audio, RS232 Optical Extension Module
PBX5-2C2-TR	Digital Video/Audio, RS232 CAT5e Extension Module
PBX5-1003	Optical KVM Extension Module
SPIDER Pro AV network	
	HDMI Selector
	DVI Distributor
	HDMI Distributor
	HDMI Matrix Router
	DVI Matrix Router
	ODPBX44/66/88

Adapters

Item #	Description
Adapters	
P31D1-3117200	DB9 Male to RJ45 Female, specify color: gray or black.
P31D1-3117400	DB9 Female to RJ45 Female, specify color: gray, black, blue, red or yellow.
P31D3-3137200	DB25 Male to RJ45 Female, specify color: gray, black or blue
P31D3-3137400	DB25 Female to RJ45 Female, specify color: gray, black or blue.
Null Modem Adapters	
P30D1-3118100	DB9 Male to DB9 Male.
P30D1-3118200	DB9 Male to DB9 Female.
P30D1-3118400	DB9 Female to DB9 Female.
P30D3-3138100	DB25 Male to DB25 Male.
P30D3-3138200	DB25 Male to DB25 Female.
P30D3-3138400	DB25 Female to DB25 Female.
VGA Adapters	
P30D1-3119300	DB9 Female to HD15 Male.
P30H1-3106400	HD15 Female to HD15 Female.
RS232 Adapters	
P30D3-3121100	DB25 Male to DB25 Male.
P30D3-3121400	DB25 Female to DB25 Female.
CAT5E Adapters	
P30X6-3102400	CAT5E (RJ45), Female to Female, specify color: black or white.
P30X6-3133400	CAT5E (RJ45) Crossover, Female to Female.
Null Modem Adapter Kits:	
P30D1-3118000-KIT	3 ea DB9(F) to DB9(F),.3 ea DB9(M) to DB9(M),3 ea DB9(M) to DB9(F)
P30D3-3138000-KIT	3 ea DB25(F) to DB25(F),.3 ea DB25(M) to DB25(M),3 ea DB25(M) to DB25(F)

Gender Changers

Item #	Description
Serial	
P31D1-3107100	DB9 Male to DB9 Male
P31D1-3107400	DB9 Female to DB9 Female
P31D3-3122100	DB25 Male to DB25 Male
P31D3-3122400	DB25 Female to DB25 Female
P31D4-3103400	DB37 Female to DB37 Female
P31H1-3105100	HD15 Male to HD15 Male
P31H1-3105400	HD15 Female to HD15 Female
Serial Null Modem	
P31D1-3128100	DB9 Male to DB9 Male
P31D1-3128400	DB9 Female to DB9 Female
P31D1-3128200	DB9 Male to DB9 Female
P31D3-3128200	DB25 Male to DB25 Female
P31D3-3128400	DB25 Female to DB25 Female
P31D4-3103100	DB37 Male to DB37 Male
Mac/Joystick	
P31D2-3102100	DB15 Male to DB15 Male
P31D2-3102400	DB15 Female to DB15 Female
SCSI	
P31C2-3108100	CN50 Male to CN50 Male
P31C2-3108400	CN50 Female to CN50 Female

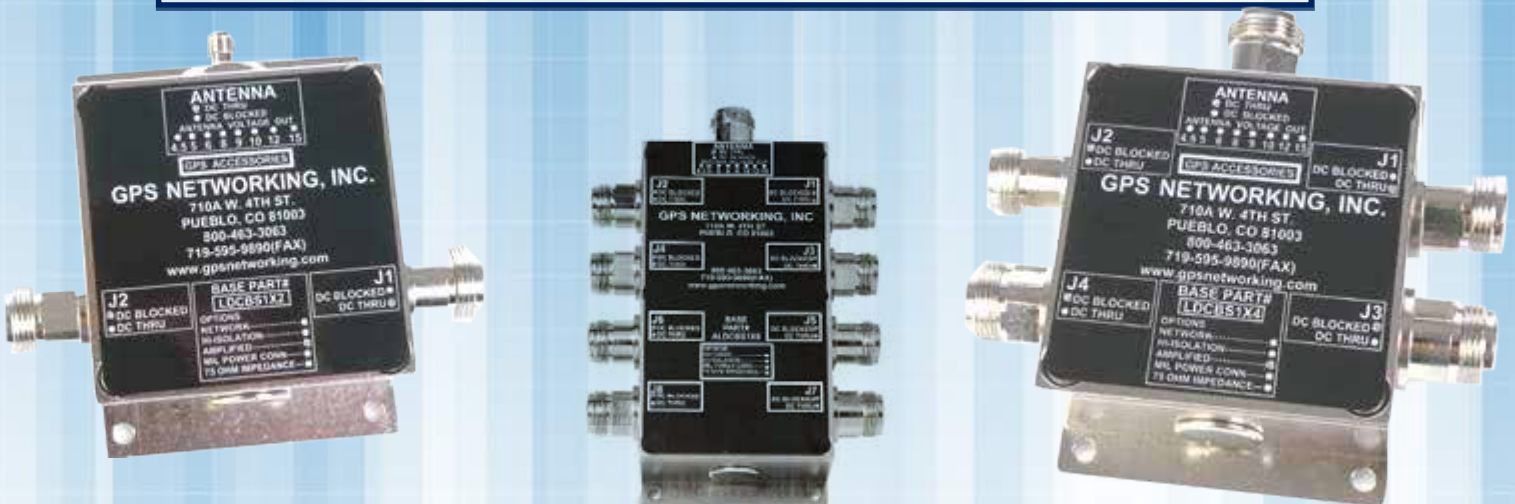
Lemo Connectors

Item #	Description
70243-00	0B-7 male straight to repair TSC-1 data cables.
70243-01	0B-7 male right angle to repair TSC-1 data cables.
FFA-1E	Coax RF(M) to repair Trimble 4000/4700/4800 GPS Antenna Cables.
HMG.0B.307CLMP	0B-7 female bulkhead mount to repair Trimble TSC-1
PSA-1E	Lemo RF Bulkhead connector for repairing Trimble 4000/4700/4800 GPS receivers.



Splitters

Item #	Description
ALDCBS1X2	GPS 2 way amplified antenna splitter, 1 output DC blocked, 20 db gain, Weather proof option extra. Hi-Isolation option extra. Specify connectors (BNC, N type, SMA or TNC).
ALDCBS1X4	GPS 4 way amplified antenna splitter, 3 outputs DC blocked, 17 db gain. Weather proof option extra. Hi-Isolation option extra. Specify connectors (BNC, N type, SMA or TNC).
ALDCBS1X8	GPS 8 way amplified antenna splitter, 7 outputs DC blocked, 13 db gain. Weather proof option extra. Hi-Isolation option extra. Specify connectors (BNC, N type, SMA or TNC).
LDCBS1X2	GPS 2 way passive antenna splitter, 1 output DC blocked, weather proof option extra
LDCBS1X4	GPS 4 way passive antenna splitter, 3 outputs DC blocked, weather proof option extra
MIL-NLDCBS1X3	GPS passive Military Spec 3 way Splitter.
NALDCBS1X2	GPS 2 way amplified antenna splitter w/pwr, 1 output DC blocked, 20 db gain. Weather proof opt. extra. Hi-Isolation opt. extra. Specify conns. (BNC, N type, SMA or TNC), antenna voltage (4V to 15VDC) and source volt. (9 to 32VDC/110AC/220EuroAC/23
NALDCBS1X4	GPS 4 way amplified antenna splitter w/pwr, all outputs DC blocked, 17 db gain. Weather proof opt. extra. Hi-Isolation opt. extra. Specify conns. (BNC, N type, SMA or TNC), ant. volt. (4V to 15VDC) & source volt. (9 to 32VDC/110AC/220EuroAC/230UKAC)
NALDCBS1X8	GPS 8 way amplified antenna splitter w/pwr, all outputs DC blocked, 13 db gain. Weather proof opt. extra. Hi-Isolation opt. extra. Specify conns. (BNC, N type, SMA or TNC), ant. volt. (4V to 15VDC) & source volt. (9 to 32VDC/110AC/220EuroAC/230UKA
NLDCBS1X2	GPS 2 way passive antenna splitter w/pwr, all outputs DC blocked. Weather proof option extra. Specify connectors (BNC, N type, SMA or TNC), antenna voltage (4V to 15VDC) and source voltage (9 to 32VDC/110AC/220EuroAC/230UKAC).
NLDCBS1X4	GPS 4 way passive antenna splitter w/pwr, all outputs DC blocked. Weather proof option extra. Specify connectors (BNC, N type, SMA or TNC), antenna voltage (4V to 15VDC) and source voltage (9 to 32VDC/110AC/220EuroAC/230UKAC).
RMALDCBS1X16	GPS Rack Mount 16 way amplified antenna splitter, all outputs DC blocked, Hi-Isolation (40db) between outputs. Specify connectors (N type, SMA or TNC).
RMALDCBS1X32	GPS Rack Mount 32 way amplified antenna splitter, all outputs DC blocked, Hi-Isolation (40db) between outputs. Specify connectors (N type, SMA or TNC).
RMALDCBS1X8	GPS Rack Mount 8 way amplified antenna splitter, all outputs DC blocked, Hi-Isolation (40db) between outputs. Specify connectors (N type, SMA or TNC).
RMHIALDCBS1X16	GPS Rack Mount 16 way amplified antenna splitter, all outputs DC blocked, Hi-Isolation (40db) between outputs. Specify connectors (BNC, N type, SMA or TNC).
RMHIALDCBS1X32	GPS Rack Mount 32 way amplified antenna splitter, all outputs DC blocked, Hi-Isolation (40db) between outputs. Specify connectors (BNC, N type, SMA or TNC).



GPS Antennas and Mounts

Item #	Description
L1/L2GPSA-N	Antenna, GPS L1/L2, 35 db gain, 5VDC on center pin, N type connector
L1/L2RRKPA-S	Antenna, GPS L1/L2, passive, N type connector (for re-rad kit)
L1RRKPA	Antenna, GPS L1 only, passive, SMA connector (for re-rad kit)
L1GPSA-N	Antenna, GPS L1 only, 38 db gain, 5VDC on center pin, N type connector
L1/L2RAMB	Roof Antenna Mount for L1/L2 Active Antenna.
L1RAMB	Roof Antenna Mount for L1 Active Antenna.
FOGPSAL	GPS fiber optic antenna link.
CPDC1X4	GPS combiner allows 4 antennas on 1 receiver. Specify connectors (BNC, N type, SMA or TNC).

GPS Amplifiers

	Description
Amplifiers	
L1LNA	GPS L1 only filtered low noise amplifier, 40 db gain block, 4.6 to 15 VDC on center pin. Specify connectors (BNC, N type, SMA or TNC).
LA20FPDC	GPS filtered line amplifier, 20 db gain, passes DC to antenna. Specify connectors (BNC, N type, SMA or TNC).
LA20RPDC	GPS line amplifier, 20 db gain, passes DC to antenna. Specify connectors (BNC, N type, SMA or TNC).
LA40FPDC	GPS filtered line amplifier, 40 db gain, passes DC to antenna. Specify connectors (BNC, N type, SMA or TNC).
NLA20FPDC	GPS filtered line amplifier w/pwr, 20 db gain, passes DC to antenna. Specify connectors (BNC, N type, SMA or TNC), antenna voltage (4V to 15VDC) and source voltage (9 to 32VDC/110AC/220EuroAC/230UKAC).
NLA20RPDC	GPS line amplifier w/pwr, 20 db gain, passes DC to antenna. Specify connectors (BNC, N type, SMA or TNC), antenna voltage (4V to 15VDC) and source voltage (9 to 32VDC/110AC/220EuroAC/230UKAC).
NLA40FPDC	GPS filtered line amplifier w/pwr, 40 db gain, passes DC to antenna. Specify connectors (BNC, N type, SMA or TNC), antenna voltage (4V to 15VDC) and source voltage (9 to 32VDC/110AC/220EuroAC/230UKAC).
MLA20RPDC	GPS line amplifier, 20 db gain, passes DC to antenna, 3/4 x 2 inches. Specify connectors (N type, SMA or TNC).



GPS Miscellaneous

Item #	Description
Filters	
L1/L2FPDC	GPS L1 /L2 band pass filter, reduces noise and interference by 20 db, passes DC to antenna. Specify connectors (N type, SMA or TNC).
L1FPDC	GPS L1 only band pass filter, reduces noise and interference by 20 db, passes DC to antenna. Specify connectors (N type, SMA or TNC).
Miscellaneous	
DCB	DC voltage block, inline. Specify connectors (BNC, N type, SMA or TNC).
SURGEPRO	GPS Surge Protection with N type connectors
VATTENPDC	GPS L1/L2 attenuator, attenuation variable between 1 and 20 db, passes DC to antenna. Specify connectors(N type, SMA or TNC).

Did you know that PBX Systems has clients world-wide...



Data Logger

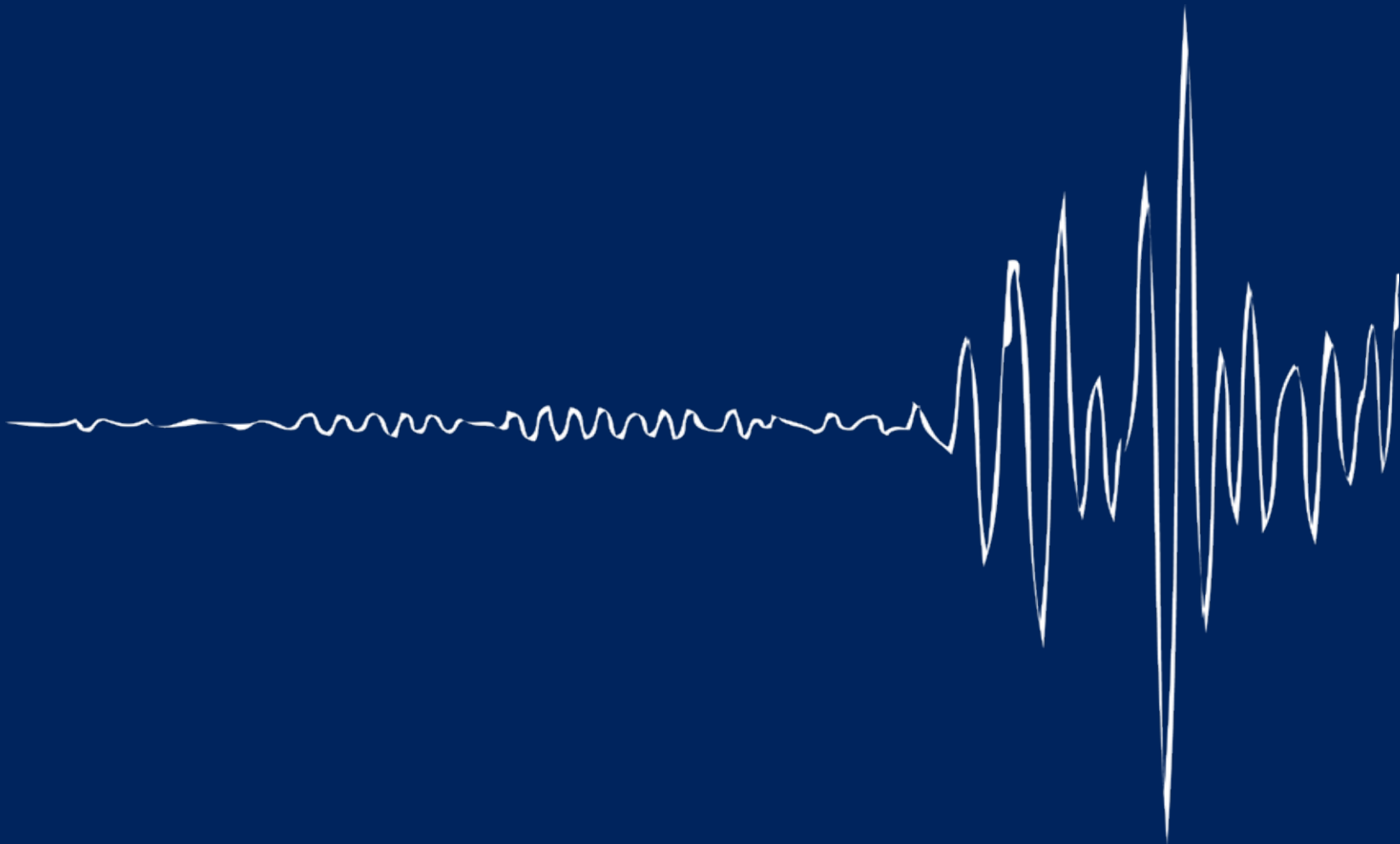
Item #	Description
Data Logger	
<p>Cost effective solution for storing remote sensor data</p> <p>Unit utilizes off-the-shelf Compact flash memory cards</p> <p>Dual Asynchronous RS232 communications ports</p> <p>Switch closure and remote closure included</p> <p>9 to 36 Volt DC input, consumes less than 1 Watt</p> <p>All events and data are internally time tagged relative to each other</p> <p>Unit housed in a tough aluminum enclosure</p> <p>Unit can be customized for client needs</p>	



Shallow Water RFID System

Item #	Description
61690-00	RFID Antenna
57210-00	RFID Reader

Designed for the demanding environment of OBC/shallow water seismic work, the PBX Systems LLC ruggedized 136Khz RFID reader and antenna is designed for use on any vessel from the smaller cable maintenance skiff to the largest deployment mother ship. The reader operates on 12VDC and interfaces with all TIRIS compatible software. The antenna can be strapped to a railing or mounted into the deck plate of a deployment squirter. Other custom packaging can be supplied.



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