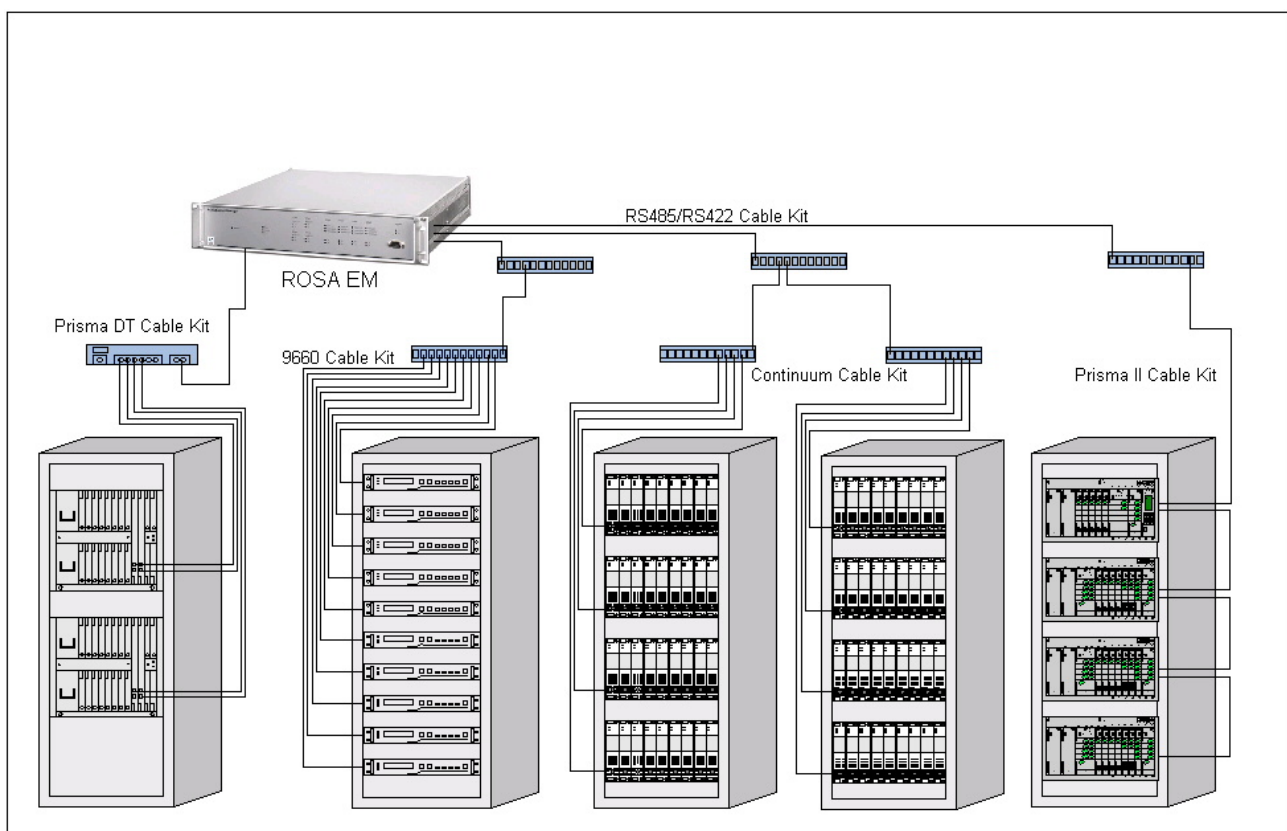


## Element Management Cable Kits

### Description

A full line of pre-configured cable kits are offered to simplify the interface between the broadband network elements that will be monitored and controlled by ROSA Element Manager (EM) or Transmission Network Control System (TNCS). The data cables in these kits provide the serial interface connection between ROSA EM (or TNCS server computer) and the managed elements. The data cables are configured with the proper connectors, cable lengths, and cable quantities to suit the different product platforms. Typically, enough hardware is included in the kits to adapt to most wiring and racking schemes found in today's headends.

Figure 1. Typical Cable Kit Application














### Features


- Industry standard low capacitance data cable
- Pre-configured for proper connector types and cable length
- Efficient installation
- Data cables are available for many different product platforms
- Adaptable to many different racking and wiring schemes
- Ease of ordering






## Ordering Information

**Table 1.** Cable Kit Ordering Information

Part Number	Description	Details	Illustration
735748	RS-485/RS-422 Cable Kit	<p>Includes: 50 ft DB-9 to RJ-12 Cable Assembly – Qty 4 Harmonica Style Bridge Adapter – Qty 4 DGH/Breakout Box Mounting Bracket – Qty 4 1.25" x 6-32 Screws – Package of 100</p> <p>Application: The RS-485/RS-422 Cable Kit interfaces the device specific cable kits to the four selectable serial ports on ROSA EM or to the Four Port PCI RS-422/485 Interface Card (738670) installed in the TNCS server computer. Typically, this kit will support 4 COM ports. One kit required for each Four Port RS-422/485 Interface Card (738670).</p>	
4006653	RS-485/RS-422 Cable Kit - Single	<p>Includes: 50 ft DB-9 to RJ-12 Cable Assembly – Qty 1 Harmonica Style Bridge Adapter – Qty 1 DGH/Breakout Box Mounting Bracket – Qty 1</p> <p>Application: The RS-485/RS-422 Cable Kit - Single interfaces a device specific cable kit to one of the four selectable serial ports on ROSA EM or to one of the COM ports on the the Four Port PCI RS-422/485 Interface Card (738670) installed in the TNCS server computer.</p>	
738686	Prisma II Cable Kit	<p>Includes: 30 ft DB-9 to RJ-12 Cable Assembly - Qty 4</p> <p>Application: This cable kit will interface the Prisma II Intelligent Communication Interface Module (ICIM) to the Harmonica Style Bridge Adapter supplied in the RS-485/RS-422 Cable Kit. The kit will support four (4) ICIMs.</p> <p>Note: To interconnect multiple Prisma II Chassis to one (1) ICIM, order the Serial Extension Cable (180143). One cable per chassis.</p>	
180143	Serial Extension Cable	<p>Includes: Cable Assembly, 6 ft DB-6 M to DB-9 F - Qty 1</p> <p>Application: This cable is required to interconnect ("Daisy Chain") other Prisma II Chassis to the ICIM located in another chassis. There is an ICIM OUT and an ICIM IN connector on the rear connector interface panel of each chassis.</p>	
735751	Prisma I Cable Kit	<p>Includes: Harmonica Style Bridge Adapter – Qty 3 DGH/Breakout Box Mounting Bracket – Qty 3 Cable Assembly, 10 ft RJ-12 to DIN – Qty 10 Cable Assembly, 20 ft RJ-12 to RJ-12 – Qty 3</p> <p>Application: This cable kit will interface the Prisma Analog Fiber Optics and System 60 Analog Optics Fiber Optics platforms to the Harmonica Style Bridge Adapter supplied in the RS-485/RS-422 Cable Kit. The kit will support ten (10) Prisma I chassis or ten (10) System 60 modules.</p> <p>Note: One (1) Communications Interface Module – CIM (565036) is required for each Prisma Chassis.</p>	

Part Number	Description	Details	Illustration
717613	Prisma DT Cable Kit	<p>Includes:            16 Port Rack mount 10/100baseT Ethernet Switch – Qty1            10 ft 10/100 Base-T Category 5 Ethernet Cable – Qty 7            50 ft 10/100 Base-T Category 5 Ethernet Cable – Qty 2</p> <p>Application:            This cable kit will interface the Prisma DT Common Control Unit (CCU) to the Ethernet Network. The kit will support seven (7) Common Control Units (CCU). The kit can be expanded to support up to fourteen (14) CCU's by ordering – Ethernet Cable, 10Base-T Category 5, 25 ft (747720).</p>	
747720	Ethernet Cable, 25FT	<p>Includes:            Cable, 10/100 Base-T Category 5, 25 ft – Qty 1</p> <p>Application:            This cable can be used to expand the interfacing capabilities of the Prisma DT Cable Kit (717613) when more than seven (7) Common Control Units (CCUs) are required to be managed by TNCS. Order one (1) cable for each additional CCU.</p>	
735752	Model 9660 Cable Kit	<p>Includes:            Harmonica Style Bridge Adapter – Qty 2            DGH/Breakout Box Mounting Bracket – Qty 2            Cable Assembly, 10 ft RJ-12 to DIN – Qty 20            Cable Assembly, 20 ft RJ-12 to RJ-12 – Qty 2</p> <p>Application:            This cable kit will interface the Model 9660, 9661, IRD-2000 Satellite Receivers, and 9270, 9280 Agile Modulators to the Harmonica Style Bridge Adapter supplied in the RS-485/RS-422 cable kit. The kit will support twenty (20) chassis.</p>	
4000878	RCDS Protocol Devices Cable Kit	<p>Includes:            Harmonica Style Bridge Adapter – Qty 1            DGH/Breakout Box Mounting Bracket – Qty 1            Cable Assembly, 20 ft RJ-12 to RJ-12 – Qty 1            Cable Assembly, 10 ft RJ-12 to DB-9F – Qty 10</p> <p>Application:            This cable kit will interface the RCDS Protocol Devices (Pulsar Modulator, LM 860 Analyzer, SAT200 Receiver, Sirius, Quantum RF Modulator, and Marco Polo Demodulator) to the Harmonica Style Bridge Adapter supplied in the RS-485/RS-422 Cable Kit. The kit will support ten (10) chassis.</p>	
735753	Continuum Cable Kit	<p>Includes:            Harmonica Style Bridge Adapter – Qty 3            DGH/Breakout Box Mounting Bracket – Qty 3            Cable Assembly, 20 ft RJ-12 to RJ-12 – Qty 3            Cable Assembly, 10 ft RJ-12 to RJ-12 – Qty 10</p> <p>Application:            This cable kit will interface the Continuum (9800) platform, 6109 Reference Generator, 6385 BTSC Encoder, UC-4 Universal Upconverter, and VM-2510/11 modulators, and ADC HomeWorx optics to the Harmonica Style Bridge Adapter supplied in the RS-485/RS-422 Cable Kit. The kit will support ten (10) chassis.</p>	
735754	Model 6270 Cable Kit	<p>Includes:            Harmonica Style Bridge Adapter – Qty 1            DGH/Breakout Box Mounting Bracket – Qty 1            Cable Assembly, 20 ft RJ-12 to RJ-12 – Qty 1            Cable Assembly, 10 ft RJ-12 to DB-9 – Qty 10</p> <p>Application:            This cable kit will interface the Model 6270 Demodulator to the Harmonica Style Bridge Adapter supplied in the RS-485/RS-422 Cable Kit. The kit will support ten (10) chassis.</p>	

Part Number	Description	Details	Illustration
738665	Model 8860 Antenna Controller or ADH-3COM Dehydrator Cable Kit	<p>Includes:            Harmonica Style Bridge Adapter – Qty 1            DGH/Breakout Box Mounting Bracket – Qty 1            Cable Assembly, 20 ft RJ-12 to RJ-12 – Qty 1            Cable Assembly, 10 ft RJ12 to DB-9 – Qty 2</p> <p>Application:            This cable kit will interface the Model 8860 Antenna Controller or ADH-3COM Dehydrator to the Harmonica Style Bridge Adapter supplied in the RS-485/RS-422 Cable Kit. The kit will support two (2) chassis.</p>	
717603	Javelin Cable Kit	<p>Includes:            Harmonica Style Bridge Adapter – Qty 1            DGH/Breakout Box Mounting Bracket – Qty 1            Cable Assembly, 20 ft RJ-12 to RJ-12 – Qty 1            Cable Assembly, 10 ft RJ-12 to DB-9 – Qty 5</p> <p>Application:            This cable kit will interface the Javelin ATx EDFA Amplifier to the Harmonica Style Bridge Adapter supplied in the RS-485/RS-422 Kit. The kit will support five (5) chassis.</p>	
717966	Extension Cable	<p>Includes:            Cable Assembly, Extension, DB-9F to DB-9M, 50 ft</p> <p>Application:            This cable is designed to connect devices that implement a standard straight through DB-9 serial configuration.</p>	
714430	Series 2000 Cable Kit	<p>Includes:            Harmonica Style Bridge Adapter – Qty 1            Cable Assembly, RJ12 to RJ12 Adapter (12 ft.) – Qty 12            Cable Assembly, BPS to RJ12 Adapter (20 ft) – Qty 1            26-22awg Insulated Spade Terminal – Qty 50            ¼" Heat shrink – ¾" to 1" in length – Qty 12</p> <p>Application:            This cable kit will interface the Nexus Series 2000 and DGH Modules to the Harmonica Style Bridge Adapter supplied in the RS-485/RS-422 kit. The kit will support ten (10) chassis or modules.</p>	
744249	PowerVu Cable Kit	<p>Includes:            PowerVu Daisy Cable – Qty 5            PowerVu Termination Cable – Qty 1</p> <p>Application:            This cable kit will interface the PowerVu receivers to the PCI RS-232 Interface Card. The kit will support five (5) chassis. Also order P/N 717966 Extension cable. One per kit.</p>	
4001371	DV-6000 Cable Kit	<p>Includes:            Harmonica Style Bridge Adapter – Qty 1            DGH/Breakout Box Mounting Bracket – Qty 1            Cable Assembly, 20 ft RJ-12 to RJ-12 – Qty 1            Cable Assembly, 10 ft RJ-12 to 2 x 5 DIN – Qty 10</p> <p>Application:            This cable kit will interface the C-COR (ADC) DV-6000 Digital Transport Platform to the Harmonica Style Bridge Adapter supplied in the RS-485/RS-422 Cable Kit. The kit will support ten (10) chassis.</p>	

Part Number	Description	Details	Illustration
4003851	Laser Link Cable Kit	<p>Includes:            Harmonica Style Bridge Adapter – Qty 2            DGH/Breakout Box Mounting Bracket – Qty 2            Cable Assembly, 20 ft RJ-12 to RJ-12 – Qty 2            Cable Assembly, 10 ft RJ-12 to RJ-45 – Qty 10</p> <p>Application:            This cable kit will interface the Laser Link Analog Optics Transport Platform to the Harmonica Style Bridge Adapter supplied in the RS-485/RS-422 Cable Kit. The kit will support ten (10) chassis.</p>	
4004803	Wavecom Cable Kit	<p>Includes:            Harmonica Style Bridge Adapter – Qty 2            DGH/Breakout Box Mounting Bracket – Qty 2            Cable Assembly, 20 ft RJ-12 to RJ-12 – Qty 2            Cable Assembly, 10 ft RJ-12 to RJ-45 – Qty 10</p> <p>Application:            This cable kit will interface the Wavecom MD4040D Upconverter to the Harmonica Style Bridge Adapter supplied in the RS-485/RS-422 Cable Kit. The kit will support ten (10) chassis.</p>	
4006651	ROSA EM to HDRx	<p>Includes:            Cable Assembly, ROSA EM to HDRx DB-9F to DB-9M, 10 ft</p> <p>Application:            This cable is designed to connect a single HDRx chassis to one of the ROSA EM selectable serial ports.</p>	
4006650	ROSA EM to Prisma II	<p>Includes:            Cable Assembly, ROSA EM to Prisma II DB-9F to DB-9M, 10 ft</p> <p>Application:            This cable is designed to connect a single Prisma II chassis to one of the ROSA EM selectable serial ports.</p>	
4006649	ROSA EM to Prisma I	<p>Includes:            Cable Assembly, ROSA EM to Prisma I DB-9F to 5 Pin DIN, 10 ft</p> <p>Application:            This cable is designed to connect a single Prisma I chassis to one of the ROSA EM selectable serial ports.</p>	

**Table 2.** ROSA EM – North and Latin America Ordering Information

<b>ROSA EM – North and Latin America</b>	<b>Part Number</b>
<b>ROSA EM – AC Version</b>	
ROSA EM, 100 - 240 V AC US, DCL Class 1 (0-10 devices)	4005326
ROSA EM, 100 - 240 V AC US, DCL Class 2 (0-25 devices)	4005370
ROSA EM, 100 - 240 V AC US, DCL Class 3 (0-50 devices)	4005371
ROSA EM, 100 - 240 V AC US, DCL Class 4 (0-100 devices)	4005372
ROSA EM, 100 - 240 V AC US, DCL Class 5 (0-250 devices)	4005373
ROSA EM, 100 - 240 V AC US, DCL Class 6 (0-500 devices)	4005374
ROSA EM, 100 - 240 V AC US, DCL Class 7 (0-750 devices)	4005375
ROSA EM, 100 - 240 V AC US, DCL Class 8 (0-1000 devices)	4005376
<b>ROSA EM – DC Version</b>	
ROSA EM, -48 V DC US, DCL Class 1 (0-10 devices)	4006322
ROSA EM, -48 V DC US, DCL Class 2 (0-25 devices)	4007210
ROSA EM, -48 V DC US, DCL Class 3 (0-50 devices)	4007211
ROSA EM, -48 V DC US, DCL Class 4 (0-100 devices)	4007212
ROSA EM, -48 V DC US, DCL Class 5 (0-250 devices)	4007213
ROSA EM, -48 V DC US, DCL Class 6 (0-500 devices)	4007214
ROSA EM, -48 V DC US, DCL Class 7 (0-750 devices)	4007215
ROSA EM, -48 V DC US, DCL Class 8 (0-1000 devices)	4007216

**Table 3.** ROSA EM – EMEA Ordering Information

<b>ROSA EM – EMEA (Europe, Middle-East, Asia)</b>	<b>Part Number</b>
<b>ROSA EM Headend</b>	
ROSA EM Headend, 100 – 240 V AC EU DCL Class 5 (0-250 headend devices)	4005317
ROSA EM Headend, 100 – 240 V AC UK DCL Class 5 (0-250 headend devices)	4005320
ROSA EM Headend, 100 – 240 V AC AUS DCL Class 5 (0-250 headend devices)	4005323
ROSA EM Headend, -48 V DC DCL Class 5 (0-250 headend devices)	4007217
<b>ROSA EM Hub &amp; HFC</b>	
ROSA EM Hub & HFC, 100 – 240 V AC EU DCL Class 6 (0-500 Hub & HFC network devices)	4005318
ROSA EM Hub & HFC, 100 – 240 V AC UK DCL Class 6 (0-500 Hub & HFC network devices)	4005321
ROSA EM Hub & HFC, 100 – 240 V AC AUS DCL Class 6 (0-500 Hub & HFC network devices)	4005324
ROSA EM Hub & HFC, -48 V DC DCL Class 6 (0-500 hub & HFC network devices)	4007218
<b>ROSA EM Transmitter sites</b>	
ROSA EM Tx Site, 100 – 240 V AC EU DCL Class 1 (0-10 devices in transmitter sites)	4005319
ROSA EM Tx Site, 100 – 240 V AC UK DCL Class 1 (0-10 devices in transmitter sites)	4005322
ROSA EM Tx Site, 100 – 240 V AC AUS DCL Class 1 (0-10 devices in transmitter sites)	4005325
ROSA EM Tx Site, -48 V DC DCL Class 1 (0-10 devices in transmitter sites)	4007219

**Table 4.** ROSA EM Upgrades Ordering Information

<b>ROSA EM Upgrades</b>	<b>Part Number</b>
ROSA EM Device Count License (DCL) Upgrade	4005377
Class Info DCL Class 1 : 0-10 devices DCL Class 2 : 0-25 devices DCL Class 3 : 0-50 devices DCL Class 4 : 0-100 devices DCL Class 5 : 0-250 devices DCL Class 6 : 0-500 devices DCL Class 7 : 0-750 devices DCL Class 8 : 0-1000 devices	

**Table 5.** ROSA EM Options Ordering Information

<b>ROSA EM Options</b>	<b>Part Number</b>
ROSA EM external temperature sensor, maximum 2 per ROSA EM (cable length 15 m / 50 ft)	4005382



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