



ControlNet Media System

This document contains the current ControlNet media system components. It supersedes any previous versions of the document.

Contact your Rockwell Automation representative for information about ordering ControlNet components.

Cat. No.	Component	Specifications
Coax Connectors		
1786-BNC	BNC plug	IP 20
1786-BNCJ	Bullet (jack-to-jack)	<ul style="list-style-type: none">• IP 20• 50 pieces
1786-BNC2TNC	Isolated bulkhead, TNC to BNC	<ul style="list-style-type: none">• IP 20• 2 pieces
1786-BNCJI	Isolated bulkhead (jack-to-jack)	<ul style="list-style-type: none">• IP 20• 5 pieces
1786-BNCP	Barrel (plug-to-plug)	<ul style="list-style-type: none">• IP 20• 50 pieces
1786-TCAP	Tap dummy load	<ul style="list-style-type: none">• IP 20• 5 pieces
1786-TCT2BD1	Barrel (plug-to-plug) and cable	IP 20
1786-TPRT2T	T-tap, TNC to right-angle TNC drop cable	IP 67
1786-TPST2T	T-tap, TNC to straight TNC drop cable	IP 67
1786-TNCL10	Plug connector (TNC)	<ul style="list-style-type: none">• IP 67• 10 pieces
1786-TNCLP4	Barrel (plug-to-plug) connector (TNC)	<ul style="list-style-type: none">• IP 67• 4 pieces
1786-TNCJ4	Bullet (jack-to-jack, TNC)	<ul style="list-style-type: none">• IP 67• 4 pieces
1786-TNCJI4	Isolated bulkhead (jack-to-jack, TNC to TNC)	IP 67
1786-TNCLXT4	Terminator plug (TNC)	<ul style="list-style-type: none">• IP 67• 75 Ω• 4 pieces

Cat. No.	Component	Specifications
1786-XT	Terminator plug (BNC)	<ul style="list-style-type: none"> • IP 20 • 75 Ω • 50 pieces
Coax Jumper		
1786-TJPR	Flexible jumper	4 pieces
Coax Tap Kits		
1786-TPR	Right-angle T-tap	IP 20
1786-TPS	Straight T-tap	IP 20
Coax Tap Kits		
1786-TPYR	Right-angle Y-tap	IP 20
1786-TPYS	Straight Y-tap	IP 20
Coax Tools		
1786-CTK	ControlNet toolkit	<p>Includes:</p> <ul style="list-style-type: none"> • ControlNet Coax Media Planning and Installation Guide, publication CNET-IN002 • ControlNet Media System Components List, publication AG-PA002 • Cable strip tool • Memory blade holder • Memory blade cartridges • Calibration/flare tool • Knife • Crimp tool • Wire cutters • Terminators and extra connectors
Fiber Optic Cables		
1786-FS10	10 m cable assembly	Use with the 1786-RPFS repeater
1786-FS20	20 m cable assembly	Use with the 1786-RPFS repeater
1786-FS60	60 m cable assembly	Use with the 1786-RPFS repeater
1786-FS100	100 m cable assembly	Use with the 1786-RPFS repeater
1786-FS200	200 m cable assembly	Use with the 1786-RPFS repeater
1786-FS300	300 m cable assembly	Use with the 1786-RPFS repeater
1786-FSB500	500 m bulk cable assembly	Use with the 1786-RPFS repeater
Fiber Optic Connector Kit		
1786-FSKIT	Connector kit for 1786-FSB500 cable	<p>Includes:</p> <ul style="list-style-type: none"> • 10 blue v-pins • 10 black v-pins • 10 clamshells

Cat. No.	Component	Specifications
Intrinsically Safe FLEX Ex Connectors (Use in hazardous areas.)		
1797-XT	ControlNet trunk terminator (FLEX Ex family)	<ul style="list-style-type: none"> • 75 Ω • 50 pieces
1797-TCAP	ControlNet tap dummy (FLEX Ex family)	5 pieces
1797-TPR	ControlNet right-angle T-tap (FLEX Ex family)	Use with the 1797-ACNR15 module
1797-TPS	ControlNet straight T-tap (FLEX Ex family)	Use with the 1797-ACNR15 module
1797-TPYR	ControlNet right-angle Y-tap (FLEX Ex family)	Use with the 1797-ACNR15 module
1797-TPYS	ControlNet straight Y-tap (FLEX Ex family)	Use with the 1797-ACNR15 module
Intrinsically Safe FLEX Ex Repeater Modules (Use in hazardous areas.)		
1797-RPA	ControlNet coax drop repeater adapter (FLEX Ex family)	Use with the 1797-RPFM repeater
1797-RPFM	ControlNet medium distance fiber repeater (FLEX Ex family)	<ul style="list-style-type: none"> • ST • Multi mode • 1300 nm • Up to 3 km (9842.5 ft)
Network Access Cable		
1786-CP	Network access cable	<ul style="list-style-type: none"> • Use with ControlNet personal computer interfaces • 3.05 m (10 ft)
Quad-shield Coax Cable		
1786-RG6FA	High-flex	<ul style="list-style-type: none"> • 13.5 dB attenuation at 10Mhz • 304.8 m (1000 ft)
1786-RG6	Standard PVC CM-CL2	<ul style="list-style-type: none"> • 5.99 dB attenuation at 10 Mhz • 304.8 m (1000 ft)
Repeater Modules (Repeaters require a 1786-RPA ControlNet modular repeater adapter for power and bus inputs.)		
1786-RPA	ControlNet modular repeater adapter	Powers up to four repeater modules and functions as a repeater bus input adapter
1786-RPCD	ControlNet coax repeater	Up to 1000 m (3280.8 ft)

Cat. No.	Component	Specifications
Repeater Modules (Repeaters require a 1786-RPA ControlNet modular repeater adapter for power and bus inputs.)		
1786-RPFS	ControlNet short distance fiber repeater	<ul style="list-style-type: none"> • V-pin • Single mode • 650 nm • Up to 300 m (984.25 ft)
1786-RPFM	ControlNet medium distance fiber repeater	<ul style="list-style-type: none"> • ST • Multi mode • 1300 nm • Up to 3 km (9842.5 ft)
1786-RPFRL	ControlNet long distance fiber repeater	<ul style="list-style-type: none"> • ST • Multi mode • 1300 nm • Up to 10 km (32,808.4 ft)
1786-RPFRXL	ControlNet extra-long distance fiber repeater	<ul style="list-style-type: none"> • ST • Single mode • 1300 nm • Up to 20 km (65,616.8 ft)

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