

# MRJ21 1G Cabling Solutions



## Modular Copper Cabling Solutions

The MRJ21 Connector System is a high-density, high-performance, modular copper cabling system designed to support any plug-and-play environment including data centers, zone cabled, or open office environments. The system includes PC board mounted solutions for network electronics as well as 24-pair cabling and patch panel solutions.

### FEATURES

- MRJ21 provides a universal modular copper cabling platform for applications such as Gigabit Ethernet, VoIP, and Power over Ethernet
- The MRJ21 system's small footprint reduces cable bulk in pathways and conduits which is better for air circulation and equipment cooling in data centers; approximately 30% less area and 20% less weight than 4-pair cabling
- Field Installation is as simple as pushing on the connector and tightening 2 screws for consistent performance
- Factory terminated, tested, and serialized cable assemblies and panels ensure quality and reliability
- Cassettes and patch panels break out high performance 24-pair cables to the appropriate wiring patterns for standards based 10/100BASE-T, 10/100/1000BASE-T Gigabit Ethernet, and other applications
- Common sized cable assemblies are available for faster installation

# MRJ21 1G Cabling Solutions

## ORDERING INFORMATION

Description	Connector A	Connector B	Rating	Part Number
<b>MRJ21 Cable Assemblies</b>	MRJ21 (180°)	MRJ21 (180°)	CMR (riser)	TMRJ-1SURG-SS0xxM
			CMP (plenum)	TMRJ-1SUPB-SS0xxM
	MRJ21 (180°)	MRJ21 (45°)	CMR (riser)	TMRJ-1SURG-SAOxxM
			CMP (plenum)	TMRJ-1SUPB-SAOxxM
	MRJ21 (180°)	6 RJ45 (GbE)	CMR (riser)	TMRJ-1SURG-SHOxxM
MRJ21 (45°)	MRJ21 (45°)	CMR (riser)	TMRJ-1SURG-AAOxxM	
	MRJ21 (180°)	12 RJ45 (10/100 Base-T)	CMR (riser)	TRMJ-1SURG-SLOxxM
<b>MRJ21 Patch Panels</b>	24-port 10/100/1000Base-T GbE		Standard	1777029-1
			AMPTRAC	1777029-2
	48-port 10/100/1000Base-T GbE (straight panels)		Standard	1435971-1
			AMPTRAC	1777041-1
	48-port 10/100Base-T		Standard	1435965-1
			AMPTRAC	1777042-1
	48-port 10/100/1000Base-T GbE (Angled panels)		Standard	1777052-1
			AMPTRAC	1777053-1
Straight label holder panel				1777040-1
Angled label holder panel				1777054-1
<b>MRJ21 Cassettes</b>	6-port cassette 10/100/1000Base-T GbE (4-pair)			1479459-1
	12-port cassette 10/100Base-T (2-pair)			1479452-1
	Cassette holder panel			1479451-1
	Blank adaptor plate			1777046-1

xxM denotes length in meters

Contact customer service for available lengths



**MRJ21 Cable Assemblies**



**MRJ21 Patch Panels**



**MRJ21 Cassettes**

## DATA SHEET

**Contact us:**  
Greensboro, NC  
USA 27409-8420  
Tel: 1-800-553-0938  
Fax: 1-717-986-7406

[www.te.com/EnterpriseNetworks](http://www.te.com/EnterpriseNetworks)



AMPTRAC, TE Connectivity, TE connectivity (logo), Tyco Electronics, MRJ21, and TE (logo) are trademarks of the TE Connectivity Ltd. family of companies and its licensors.

While TE Connectivity has made every reasonable effort to ensure the accuracy of the information in this document, TE Connectivity does not guarantee that it is error-free, nor does TE Connectivity make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE Connectivity reserves the right to make any adjustments to the information contained herein at any time without notice. TE Connectivity expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this document are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE Connectivity for the latest dimensions and design specifications.

Tyco Electronics Corporation, a TE Connectivity Ltd. Company. All Rights Reserved.

314676AE 11/12 Revision © 2012