CERTIFICATE OF COMPLIANCE

Certificate Number	20190806-E81956
Report Reference	E81956-20070912
Issue Date	2019-AUGUST-06
Issued to:	TYCO Electronics Corp 2901 Fulling Mill Rd Middletown PA 17057
This certificate confirms that representative samples of	COMMUNICATIONS-, AUDIO/VIDEO-, DATA- AND OTHER SIGNALING-CIRCUIT ACCESSORIES See Addendum. Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 1863, Communication Circuit Accessories. CAN/CSA C22.2 No. 182.4-M90, Plugs, Receptacles, and Connectors for Communication systems.
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Industrial Circular Ethernet Connector Kit Systems, Plug Kits Part Nos. 1738607-1, -2, -3, -4, 2008611-1, -2, 2008614-1, -2; intended for indoor use on data circuits and telephone loop circuits.

Receptacle Kits Part Nos. 1738601-1, -2, -5, 2008615-1, -2, 1811689-1; intended for indoor use on data circuits and telephone loop circuits.

Protective Cover Assembly Part Nos. 1738611-1, 1828740-1, 1918177-1, 2008618-1, 2058442-1, 1828740-1; intended for indoor use on data circuits and telephone loop circuits.

Receptacle Kit, Part Nos. 1986280-1, -2, -3; intended for indoor use on data circuits and telephone loop circuits.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

D E S C R I P T I O N

PRODUCT COVERED:

USL, CNL – Industrial Circular Ethernet Connector Kit Systems, Plug Kits Part Nos. 1738607-1, -2, -3, -4, 2008611-1, -2, 2008614-1, **-2; intended for indoor use on data circuits and telephone loop circuits.**

USL, CNL - Receptacle Kits Part Nos. 1738601-1, **-2, -5**, 2008615-1, -2, **1811689-1; intended for indoor use on data circuits and telephone loop circuits.**

USL, CNL - Protective Cover Assembly Part Nos. 1738611-1, 1828740-1, 1918177-1, 2008618-1, 2058442-1, 1828740-1; intended for indoor use on data circuits and telephone loop circuits.

USL, CNL - Receptacle Kit, Part Nos. 1986280-1, -2, -3; intended for indoor use on data circuits and telephone loop circuits.

TECHNICAL CONSIDERATIONS:

General - The assembly consists of a combination of a combination of dust caps and modules are intended for indoor use in commercial, industrial, institutional, and residential buildings.

USL indicates evaluation to UL 1863, The Standard for Communication Circuit Accessories, 4th Edition, dated May 14th, 2004 including revisions through September 15th, 2016.

CNL indicates evaluation to CAN/CSA C22.2 No. 182.4-M90, The Standard for Plugs, Receptacles, and Connectors for Communication systems, 1st Edition, Reaffirmed 2015.

* Ratings - These products are intended for indoor use on telephone loop circuits operating at a maximum 175 mA, 56.5 V dc, ringing voltage not exceed 150 V **rms or data communication circuits not intended to exceed 30 V ac, 42.4 V pk or 60 V dc with a maximum power of 100 W.**

Installation - All installations shall meet the electrical protection requirements as prescribed by the applicable requirements of the National Electrical Code and the local authorities having jurisdiction. Electrical protection, where required, shall be installed between the exposed conductors and the connector modules. All models covered by this Report are also suitable for use after the telephone protection. The units are also intended to be installed in accordance with the manufacturer's installation practices. Installation instruction sheet 408-8933 shall be provided with the Industrial Circular Ethernet Connector System. Refer to ILL. 1 for details.

Component Servicing - **Components shall be returned for replacement.**

SPACINGS:

General - A minimum spacing of (1/8 in.) 3.175 mm through air and over surface shall be maintained between uninsulated live metal parts and uninsulated live metal parts of opposite polarity or dead or grounded noncurrent carrying parts.

Wire insulation piercing terminals such as quick connect type terminals requiring insertion tools shall maintain a minimum 1.2 mm (3/64 in.) spacing between terminals.

Snap or plug in type connectors such as RJ-11 Type jacks shall maintain a spacing between live conductors or parts of opposite polarity of not less than 0.558 mm (0.022 in.).

CORROSION PROTECTION:

General - All steel parts are suitably painted or plated to resist corrosion.

MARKING:

Manufacturer's name or logo and model designation on the product or smallest unit package.