

CERTIFICATE OF COMPLIANCE

Certificate Number 20190522-E498491
Report Reference E498491-20180725
Issue Date 2019-MAY-22

Issued to: ELCO (TIANJIN) ELECTRONICS CO LTD
NO 12, 4TH XEDA BRANCH RD
XIQING ECONOMIC DEVELOPMENT AREA
TIANJIN
300385 CHINA

**This certificate confirms that
representative samples of**

CABLE ASSEMBLIES AND FITTINGS FOR INDUSTRIAL
CONTROL AND SIGNAL DISTRIBUTION
Refer Addendum page for Models/Product

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety:

UL 2238 - Cable Assemblies and Fittings for Industrial
Control and Signal Distribution
CAN/CSA C22.2 No. 182.3-16 - Special Use Attachment
Plugs, Receptacles, and Connectors

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.

Models/Product:

M12 Series Connectors: A code

USL, CNL - Male Cable Fitting, Cat. No. C or CB, followed by 12.3, 12.4 or 12.5, followed by any digit of numbers, maybe followed by WS, L, LN, EWSR, LSOH or DRC, followed by P or blank.

USL, CNL - Female Cable Fitting, Cat. No. CO or CBO, followed by 12.3, 12.4 or 12.5, followed by any digit of numbers, maybe followed by WS, L, LN, EWSR, LSOH or DRC, followed by P or blank.

USL, CNL - Cable Assembly, Cat. No. C or CB, followed by O or blank, followed by 12.3, 12.4 or 12.5, followed by any digit of numbers, followed by C, followed by B or blank, followed by 12.3, 12.4 or 12.5, maybe followed by WS, L, LN, EWSR, LSOH or DRC, followed by P or blank.

USL, CNL - Male Cable Fitting, Cat. No. C or CB, followed by 12.8 or 12.12, followed by any digit of numbers, maybe followed by WS, L, LN, EWSR, LSOH or DRC, followed by P or blank.

USL, CNL - Female Cable Fitting, Cat. No. CO or CBO, followed by 12.8 or 12.12, followed by any digit of numbers, maybe followed by WS, L, LN, EWSR, LSOH or DRC, followed by P or blank.

USL, CNL - Cable Assembly, Cat. No. C or CB, followed by O or blank, followed by 12.8 or 12.12, followed by any digit of numbers, followed by C, followed by B or blank, followed by 12.8 or 12.12, maybe followed by WS, L, LN, EWSR, LSOH or DRC, followed by P or blank.

USL, CNL - Panel Mount Inlet, Cat. No F, followed by 12.4 or 12.5, followed by 0, P or any digit of numbers, followed by M16, PG9 or M20, followed by F or blank.

USL, CNL - Panel Mount Outlet, Cat. No FO, followed by 12.4 or 12.5, followed by 0, P or any digit of numbers, followed by M16, PG9 or M20, followed by F or blank.

USL, CNL - Panel Mount Inlet, Cat. No F, followed by 12.8 or 12.12, followed by 0, P or any digit of numbers, followed by M16, PG9 or M20, followed by F or blank.

USL, CNL - Panel Mount Outlet, Cat. No FO, followed by 12.8 or 12.12, followed by 0, P or any digit of numbers, followed by M16, PG9 or M20, followed by F or blank.

USL, CNL - Cable Assembly, Cat. No. C or CB, followed by O or blank, followed by 12. or 8., followed by 3, followed by any digit of numbers, followed by C, followed by B or blank, followed by 12 or 8, followed by 3, maybe followed by WS, L, LN, EWSR or DRC, followed by P or blank.



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USL, CNL - Cable Assembly, Cat. No. C or CB, followed by O or blank, followed by 12. or 8., followed by 4, followed by any digit of numbers, followed by C, followed by B or blank, followed by 12 or 8, followed by 4, maybe followed by WS, L, LN, EWSR or DRC, followed by P or blank.

USL, CNL - Splitter, Cat. No. ECS, followed by 2, followed by C, followed by O, followed by 12, followed by 3 or 4, followed by any digit of numbers.

USL, CNL - Splitter, Cat. No. ECS, followed by E, followed by 2, followed by C, followed by O, followed by 12, followed by 3 or 4, followed by any digit of numbers, maybe followed by L or LN, followed by P or blank.

USL, CNL - Splitter, Cat. No. ECS, followed by 2, followed by C, followed by O, followed by 12.3, 12.5, 12.5/S1 or 8.3.

M12 Series Connectors: CC LINK

USL, CNL - Male Cable Fitting, Cat. No. A, followed by 05, followed by S06 or S07, followed by C01, followed by M, followed by any digit of numbers.

USL, CNL - Female Cable Fitting, Cat. No. A, followed by 05, followed by S00 or S01, followed by C01, followed by M, followed by any digit of numbers.

USL, CNL - Cable Assembly, Cat. No. A, followed by A5, followed by S30, S33, S43 or S45, followed by C01, followed by M, followed by any digit of numbers.

M12 Series Connectors: DN

USL, CNL - Male Cable Fitting, Cat. No. DN, followed by D, followed by 02A or 03A, followed by M, followed by any digit of numbers.

USL, CNL - Female Cable Fitting, Cat. No. DN, followed by D, followed by 20A or 30A, followed by M, followed by any digit of numbers.

USL, CNL - Cable Assembly, Cat. No. DN, followed by D, followed by 22A, 32A, 23A or 33A, followed by M, followed by any digit of numbers.

M12 Series Connectors: B code

USL, CNL - Male Cable Fitting, Cat. No. B, followed by 05, followed by S06 or S07, followed by PP4, PP6 or PP8, followed by M, followed by any digit of numbers.

USL, CNL - Female Cable Fitting, Cat. No. B, followed by 05, followed by S00 or S01, followed by PP4, PP6 or PP8, followed by M, followed by any digit of numbers.



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USL, CNL - Cable Assembly, Cat. No. B, followed by B5, followed by S30, S33, S31 or S32, followed by PP4, PP6 or PP8, followed by M, followed by any digit of numbers.

USL, CNL - Panel Mount Inlet, Cat. No F, followed by B, followed by 12.5, followed by 0, P or any digit of numbers, followed by M16, followed by F or blank.

USL, CNL - Panel Mount Outlet, Cat. No F, followed by B, followed by O, followed by 12.5, followed by 0, P or any digit of numbers, followed by M16, followed by F or blank.

M12 Series Connectors: D code

USL, CNL - Male Cable Fitting, Cat. No. E, followed by 10 or 1W0, followed by D0, followed 0, followed by 001, 003 or 005, followed by M, followed by any digit of numbers.

USL, CNL - Female Cable Fitting, Cat. No. E, followed by 20 or 2W0, followed by D0, followed 4, followed by 001, 003 or 005, followed by M, followed by any digit of numbers.

USL, CNL - Panel Mount Inlet, Cat. No F, followed by D, followed by 12.4, followed by 0, P or any digit of numbers, followed by M16, followed by F or blank.

USL, CNL - Panel Mount Outlet, Cat. No F, followed by D, followed by O, followed by 12.4, followed by 0, P or any digit of numbers, followed by M16, followed by F or blank.

Male-to-Male configurations are not covered due to accessibility of live parts.



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