

UMOXS™ Cross-Connect System Accessories

CORNING

Features and Benefits

Accessories designed specifically for the UMOXS™ Cross-Connection System

Integrates seamlessly with existing UMOXS components

Sealed plant design with micro-coated IDC contacts and grease-filled retainers

Prevents moisture damage

Wire termination tool

Ensures fast and accurate wire termination

Multi- or single-pair test probes

Allows mass or individual circuit testing

Standards

Approvals and Listings

UL Listed to United States and Canadian safety standards

Category 5 rating

UMOXS™ Connector

Corning universal multiplexing outside plant cross-connect system (UMOXS) connector is an environmentally sealed distribution connector for single-pair, bridging or multiplexing terminations. The UMOXS connector features environmentally protected contacts using a micro-coating material that is compatible with electronic circuits (non-silicone) and inside wire insulation. The UMOXS connector is designed for indoor or outdoor applications, including building entrance terminals (BETs), remotes and subscriber demarcation points. Each UMOXS connector contains double-sided insulation displacement connectors (IDCs). These IDCs will terminate from 22 to 26 AWG (0.69 to 0.4 mm) plastic insulated conductors with a maximum diameter of 1.2 mm (0.048 in).

The UMOXS Connector is easily identified by stamped code numbers and by pair identification markings on the front and back of the plastic molding. It is molded in gray to blend in with other outside plant (OSP) products and is Category 5 rated.

Interface Connector - UMOXS1B

A 25-pair connector for single-pair terminations (one pair "IN," one pair "OUT"). Used for terminating feeder and distribution pairs for cross-connecting.

Multiplexing Connector - UMOXS5B

A 25-pair connector with sets of five pairs of contacts. Normally used for multiparty service (one pair "IN," up to five pairs "OUT").



UMOXS Cross-Connect System Connector
| Photo CRR2033

UMOXSTM Cross-Connect System Accessories

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Specifications

Shipping Information

	Dimensions (HxWxD)	Shipping Weight	Units per Delivery
UMOXSTM Connector	18.5 cm x 10.2 cm x 6.7 cm (7.3 in x 3.0 in x 2.6 in)	1.1 kg (2.4 lb)	20/1

Operating Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Plastic Material	Polycarbonate, UL 94 V-0, Gray
Sealant Material	Modified Organosilane coating
Insulation Displacement Connections	High tensile phosphor bronze, tin-plated
Contact resistance Rd	< 1 mΩ

Ordering Information

Part Number	Description	Units per Delivery
UMOXSTM1B	UMOXSTM 25-Pair Sealed IDC Connector, Single Clips	20/1
UMOXSTM5B	UMOXSTM 25-Pair Connector, Sealed IDC, 5-pair clips	20/1

UMOXSTM Cross-Connect System Accessories

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UMOXSTM Retainer

Corning universal multiplexing outside plant cross-connect system (UMOXSTM) retainers provide an encapsulation system for the cable and the UMOXSTM connectors. They are made of plastic with a unique spring-loaded cover designed to prevent the retainer from being left completely open. In addition, some retainers are supplied with a non-conductive re-enterable sealant to provide complete environmental protection for the feeder and distribution cable terminations.

The retainers attach to the mounting columns to hold the connectors at the correct location and protect them from damage. Each retainer incorporates a cable strain-relief point at the rear and an integral labeling slot for pair designation labels on the front.

The retainers are available in various colors for circuit identification – green for feeder and blue for distribution. In addition, gray and red retainers are available for miscellaneous and special services applications. Flame-retardant versions of the green and blue retainers are available.



UMOXSTM Retainers
| Photo COP264

Ordering Information

Part Number	Description		Shipping Weight	Units per Delivery
KRE5A	UMOXSTM Retainer, miscellaneous (gray) with sealant	24.5 cm x 24.5 cm x 20.3 cm (10 in x 10 in x 8 in)	0.9 kg (1.9 lb)	10/1
KRE6A	UMOXSTM Retainer, special services (red) with sealant	24.5 cm x 24.5 cm x 20.3 cm (10 in x 10 in x 8 in)	0.9 kg (1.9 lb)	10/1
KRE7A	UMOXSTM Retainer, feeder (green), flame-retardant with sealant	24.5 cm x 24.5 cm x 20.3 cm (10 in x 10 in x 8 in)	0.9 kg (1.9 lb)	10/1
KRE8A	UMOXSTM Retainer, distribution (blue), flame-retardant with sealant	24.5 cm x 24.5 cm x 20.3 cm (10 in x 10 in x 8 in)	0.9 kg (1.9 lb)	10/1

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UMOXSTM Cross-Connect System Accessories



Connection Tool: TMOXS16A
A spring-activated seating and cutting tool for terminating 22, 24 and 26 AWG (0.63, 0.5 and 0.4 mm) plastic insulated conductors on the UMOXS Cross-Connect System connectors. A turn button on the handle adjusts the tool for seating only, or for seating and cutting the conductors.



Ordering Information

Part Number	Description		Weight	Units per Delivery
A0270165	UMOXSTM Connection Tool (TMOXS16A)	16 cm 4 cm 3 cm (6.25 in 1.75 in 1 in)	0.1 kg (0.4 lb)	1/1

UMOXS™ Cross-Connect System Accessories

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Manual Locking Test Probe - TMOXS17A

This test probe is a test adapter to allow testing access to a single pair on any UMOXS™ Cross-Connect System connector. It is color coded to indicate red ring (right); black tip (left). A “TOUCH and GO” feature allows quick testing without fully attaching the test probe to the connector. The wire leads are 6-in long and terminated with two alligator clips to provide test access with other types of terminations.

Self-Locking Test Probe - TMOXS37A

This test probe is a test adapter to allow testing access to a single pair on any UMOXS Cross-Connect System connector. The test probe is color coded to indicate red ring (right); black tip (left). It provides a side opening to accommodate a secondary test set. The wire leads are 12-in long and terminated with two locking alligator clips to provide test access with other types of terminations.

Test Connector - TMOXS22A

This test adapter is made of fire-retardant plastic to allow testing access to all 25 pairs of a UMOXS Cross-Connect System connector. The test connector is held in place by spring clips that attach to the retainer. When the test connector is in place, the top row of contacts (tip) and the bottom row (ring) allow direct access to any pair.



TMOXS37A Self-Locking Test Probe
| Photo COP255



TMOXS22A Test Connector
| Photo COP312

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Ordering Information

Part Number	Description		Weight	Units per Delivery
A0270166	UMOXS Test Probe, manual locking (TMOXS17A)	20 cm 15 cm 1.3 cm (8 in 6 in 0.5 in)	0.03 kg (0.1 lb)	1/1
TMOXS37A	UMOXS Test Probe, self-locking	23 cm 15 cm 1.3 cm (9 in 6 in 0.5 in)	0.03 kg (0.1 lb)	1/1
A0270171	UMOXS Test Connector, 25-pair (TMOXS22A)	19 cm 7 cm 3 cm (7.5 in 2.75 in 1 in)	0.17 kg (0.6 lb)	1/1

UMOXS™ Cross-Connect System Accessories



Special Service Guard - GMOXS23
The UMOXS™ Special Service Guard is a plastic guard that snaps onto any UMOXS Connector. Available in red or yellow, these guards are used to prevent unauthorized or accidental contact with special services circuits.



Ordering Information

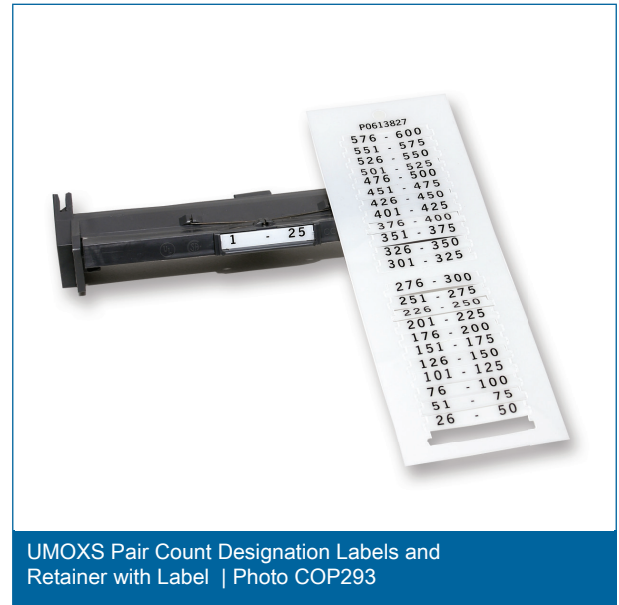
Part Number	Description		Weight	Units per Delivery
A0270172	Special Service Guard, UMOXS connector, red (GMOXS23A)	40.6 cm x 29.2 cm x 2.5 cm (16.0 in x 11.5 in x 1.0 in)	0.5 kg (1.0 lb)	100/1
GMOXS23B	Special Service Guard, UMOXS connector, yellow	40.6 cm x 29.2 cm x 2.5 cm (16.0 in x 11.5 in x 1.0 in)	0.5 kg (1.0 lb)	100/1

UMOXSTM Cross-Connect System Accessories

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UMOXSTM Pair Count Designation Labels

Pair count designation labels are used to provide clear circuit identification for each UMOXS connector. The label fits into a slot located on the front of the UMOXS Retainer. Labels are pre-printed in 25-pair increments on a sheet of 24 labels. Refer to the catalog number descriptions for the pair count ranges available.



UMOXSTM Pair Count Designation Labels and Retainer with Label | Photo COP293

Ordering Information

Part Number	Description		Weight	Units per Delivery
P0613827	Designation Label, 1-600	27.9 cm x 22.9 cm x 7.6 cm (11.0 in x 9.0 in x 3.0 in)	1.2 kg (2.6 lb)	100/1
P0613828	Designation Label, 601-1200	27.9 cm x 22.9 cm x 7.6 cm (11.0 in x 9.0 in x 3.0 in)	1.2 kg (2.6 lb)	100/1
P0613829	Designation Label, 1201-1800	27.9 cm x 22.9 cm x 7.6 cm (11.0 in x 9.0 in x 3.0 in)	1.2 kg (2.6 lb)	100/1
P0613830	Designation Label, 1801-2400	27.9 cm x 22.9 cm x 7.6 cm (11.0 in x 9.0 in x 3.0 in)	1.2 kg (2.6 lb)	100/1

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Ordering Information

Part Number	Description		Weight	Units per Delivery
P0613831	Designation Label, 2401-3000	27.9 cm x 22.9 cm x 7.6 cm (11.0 in x 9.0 in x 3.0 in)	1.2 kg (2.6 lb)	100/1
P0651216	Designation Label, 3001-3600	27.9 cm x 22.9 cm x 7.6 cm (11.0 in x 9.0 in x 3.0 in)	1.2 kg (2.6 lb)	100/1
P0651217	Designation Label, 3601-4200	27.9 cm x 22.9 cm x 7.6 cm (11.0 in x 9.0 in x 3.0 in)	1.2 kg (2.6 lb)	100/1

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