Sealing Fittings

Explosionproof; Dust-Ignitionproof

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.

Applications

- Prevent passage of gases, vapors or flames from one portion of conduit system to another. Restrict any explosion to the sealed off enclosure. Prevent pressure piling within conduit system.
- Required in Class I, Division 1 and 2 locations within 18" of enclosures containing apparatus that may cause arcs, sparks or high temperatures.
- Required in Class I, Division 1 and 2 locations where 2" or larger conduit enters enclosure, fitting housing terminals, splices or taps.
- Required in Class I, Division 1 and 2 locations at the boundary where conduit leaves classified location.
- Required in Class I, Division 1 and 2 locations where two or more enclosures are connected by 36" or less conduit. Seal must be located within 18" of either enclosure.
- Required where cables (which exceed rate of gas or vapor transmission permitted for seals) are used in Class I, Division 2 locations.

Features

- Explosionproof, dust-ignitionproof, raintight.
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and ground continuity.
- Removable nipple in male sealing fitting may be used interchangeably in top or bottom hub.
- EYS-for sealing vertical conduit. Large opening for damming and filling.
- Expanded fill EYSEF/EYDEF— allow up to 40% conduit fill in compliance with the National Electrical Code.
- EYSF/EYSM—for sealing vertical conduit. Large opening for damming and filling.
- ESUF/ESUM for sealing vertical or horizontal conduit. Pouring spout rotates 90°. Removable cover provides full access for damming 2-1/2" thru 4" sizes have threaded cover openings for damming.
- EYF/EYM—close radius type for sealing vertical or horizontal conduit runs.
- EYDM Drain Sealing Fittings—close radius type for sealing vertical conduit runs. Access cover has drain valve for automatic draining of water accumulation above the seal.
- UL Listed for use with Kwiko[®] A Sealing Compound. Also listed with certain competitors sealing cement, contact factory for details.

Standard Materials

- EYSF/EYSM, EYF/EYM and EYDM Seals: malleable iron or Almag 35 aluminum
- EYS, EYSEF/EYDEF, and ESUF/ESUM: malleable iron
- EYD and EYS Seals: Grayloy®-iron

Standard Finishes

- Malleable iron and Grayloy[®]-iron products have triple-coat (1) zinc electroplate, (2) chromate, and (3) epoxy powder coat,
- Almag 35 aluminum products have epoxy powder coat

Certifications and Compliances

- UL Standard: 886 (1203)
- UL Listed: E10444
- CSA Standard: C22.2 No. 30
- CSA Certified: 065181

Options

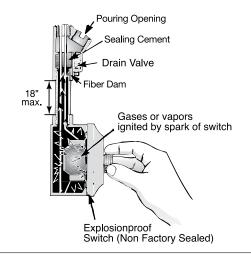
PVC coating available on select sealing fittings. Add suffix -PVC to catalog number.

Related Products

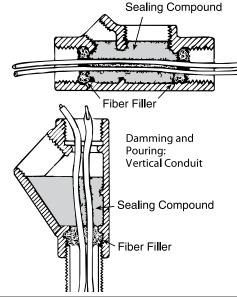
Kwiko[®] A sealing cement and fiber filler

Illustrated Features

Sealing fittings prevent passage of gases, vapors or flames from one portion of a conduit system to another. They also restrict large amounts of ignitable gases or vapors from accumulating to confine explosive pressure.



Appleton sealing fittings are suitable for Class I and II locations. EYS, SF and EYD are for sealing vertical conduit. EY and ESU are for sealing vertical and horizontal conduit. SF and EYD also have drain valves.



FITTINGS: HAZARDOUS SEALING FITTINGS

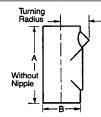
EY 25% ^o Fill Vertical and Horizontal Conduit Sealing Fittings for Close Turning Radius

Explosionproof, Dust-Ignitionproof, Raintight

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.

Class I, Division 1 and 2 Groups A◊, B♦, C, D Class II, Division 1 and 2 Groups E, F, G Class III

		Trade Size	Inches/Millimeters			Kwiko [®] A Cement Required	Catalog Number	
		(Inches)	A (Length)	B (Width)	Turning Radius @		Malleable Iron	Almag 35 Aluminum
		Female						
1/2"— 1"	1-1/4" — 3"	1/2	3.50/88.9	1.19/30.2	1.06/26.9	1.00/28.4	EYF-50 [◊] ❸	EYF-50AL $^{\diamond}$ 🛛
		3/4	3.50/88.9	1.38/35.0	1.19/30.2	2.00/56.7	EYF-75 [◊] 🛛	EYF-75AL $^{\diamond}$ 🛛
		1	4.25/107.9	1.75/44.4	1.38/35.0	4.00/113.4	EYF-100 [◊] ❸	EYF-100AL $^{\diamond}$ 🛛
		1-1/4	4.94/125.4	2.00/50.8	1.75/44.4	7.00/198.4	EYF-125 * 🛛	EYF-125AL 🛛
		1-1/2	5.50/139.7	2.38/60.4	2.06/52.3	13.00/368.5	EYF-150 * 🛛	EYF-150AL 🛛
		2	6.13/155.7	2.88/73.1	2.31/58.6	22.00/623.7	EYF-200 * 🛛	EYF-200AL 🛛
		2-1/2	7.50/190.5	3.38/85.8	2.69/68.3	36.00/1020.6	EYF-250 * 🛛	EYF-250AL 🛛
		3	8.13/206.5	4.13/104.9	3.13/79.5	61.00/1729.3	EYF-300 * 🛛	EYF-300AL 🛛
		3-1/2	8.94/227.0	4.75/120.6	3.44/87.3	89.00/2523.1	EYF-350 *	EYF-350AL
		4	9.38/238.2	5.13/130.3	3.69/93.7	114.00/3231.8	EYF-400 * 🛛	EYF-400AL 🛛
		5	10.81/274.5	6.25/158.7	4.69/119.1	202.00/5726.6	EYF-500 @	_
3–1/2" — 6"		6	11.81/299.9	7.31/185.6	5.38/136.6	230.00/6520.4	EYF-600 0	_
		Male/Female (Removable Male Nipple)						
D C		1/2	3.50/88.9	1.19/30.2	1.06/26.9	1.00/28.4	EYM-50 [◊] ❸	EYM-50AL $^{\diamond}$ 🛛
		3/4	3.50/88.9	1.38/35.0	1.19/30.2	2.00/56.7	EYM-75 [◊] 🛛	EYM-75AL $^{\diamond}$ 🛛
	1-1/4" — 3"	1	4.25/107.9	1.75/44.4	1.38/35.0	4.00/113.4	EYM-100 [◊] 🛛	EYM-100AL $^{\diamond}$ 🕄
		1-1/4	4.94/125.4	2.00/50.8	1.75/44.4	7.00/198.4	EYM-125 * 🛛	EYM-125AL 🛛
1/2"— 1"		1-1/2	5.50/139.7	2.38/60.4	2.06/52.3	13.00/368.5	EYM-150 * 🛛	EYM-150AL 🛛
in the second se		2	6.13/155.7	2.88/73.1	2.31/58.6	22.00/623.7	EYM-200 * 🛛	EYM-200AL 🛛
		2-1/2	7.50/190.5	3.38/85.8	2.69/68.3	36.00/1020.6	EYM-250 * 🛛	EYM-250AL O
		3	8.13/206.5	4.13/104.9	3.13/79.5	61.00/1729.3	EYM-300 * 🛛	EYM-300AL 🛛
		3-1/2	8.94/227.0	4.75/120.6	3.44/87.3	89.00/2523.1	EYM-350 *	EYM-350AL
		4	9.38/238.2	5.13/130.3	3.69/93.7	114.00/3231.8	EYM-400 * 🛛	EYM-400AL ❸
		5	10.81/274.5	6.25/158.7	4.69/119.1	202.00/5726.6	EYM-500 @	_
3–1/2" — 6"		6	11.81/299.9	7.31/185.6	5.38/136.6	230.00/6520.4	EYM-600 4	_



• Per NEC 501.15(C)(6), seals in Class I, Division 1 and 2 must be limited to conductor fill of 25% of cross sectional area of a rigid metal conduit of the same trade size unless approved for higher percentage fill. See 40% fill sealing fittings.

• Turning radius with cover or plug removed.

• PVC coating available on select sealing fittings. Add suffix **-PVC** to catalog number.

ONOT UL Listed. CSA Certified only.

♦ Indicates items in the shaded area which are UL Listed for Class I, Groups A, B, C, D; Class II, Groups E, F, G; and Class III.

◆ Indicated items in the shaded area which are UL Listed for Class I, Groups B, C, D; Class II, Groups E, F, G; and Class III.

