

TECHNICAL DATA SHEET - INTERACTIVE PDF

Fittings, Series 6300NM Non-metallic Liquid-tight Type A with Non-metallic Locknut

For use with non-metallic Type A raceway

T&B Liquidtight Systems®



01

02

01 Fitting, straight
02 Fitting, 90°

Features & Benefits:

- Meets UL 514B for liquid tight fittings
- Trade sizes from ½" to 2" (16mm to 63mm)
- Available in straight and 90° elbows
- NPT threads
- Provided with non-metallic locknut and O-ring gasket
- Ideal for use in highly corrosive environments
- Liquid-tight applications - helps protect against water, oils, cutting fluids, and mild acids

Applications:

- Designed to provide a liquid-tight and dust-tight connection between the fittings, conduits and enclosure wall
- Used to connect liquid-tight flexible non-metallic conduit Type A to boxes or enclosures
- Typical applications include raceway for general purpose industrial and commercial construction, machine OEMs, panel builders, indoor and outdoor installations
- For use in electrical circuits up to 1000V
- Intended for installations in accordance with NEC (ANSI/NFPA-70)
- Article 356 for flexible liquid-tight non-metallic conduit (LFNC-A or FNMC-A)
- Installations in hazardous (classified) locations:
 - Class I Div. 2 Article 501
 - Class II Div. 1&2 Article 502
 - Class III Div. 1&2 Article 503

Materials / Finishes:

- Body: Thermoplastic, glass filled, blue
- Gland: Thermoplastic, glass filled, blue
- Locknut: Thermoplastic, glass filled, black
- O-ring Gasket: Neoprene

Liquid-tight Type non-metallic fittings with non-metallic locknuts for use with Liquid-tight flexible non-metallic conduit Type A

Certifications / Standards:



[3-Part Specification](#)
[Tools and Calculators](#)

Conforms to:

- UL 514B
- RoHS (Restriction of Hazardous Substances)
 - European Directive 2011/65 and Commission Delegated Directive 2015/863

UL & NEMA System Ingress Ratings:

- UL Listed type ratings to UL 50E requirements
- UL FileNo.: E23018
 - Type 4, 4X, 12
- NEMA 250:
 - Type 4, 4X, 12

Ingress protection:

- Provides "Ingress Integrity" between enclosures, O-ring gaskets, fittings and conduits
- O-ring gaskets must be used to achieve ingress ratings
- Covers all trade sizes ½" to 2" (16mm to 63mm)

IEC System Ingress Ratings:

- IP Ingress protection per IEC 60529 requirements
- IP66, IP67, IP69

Table data:

- [Series 6300NM](#)
- [Series 630xNM](#)
- [Series 632xNM](#)

Series 6300NM Type A non-metallic fittings with O-rings and non-metallic locknuts

For use with liquid-tight flexible non-metallic Type A conduit

Product selection - O-ring gasket and locknut included

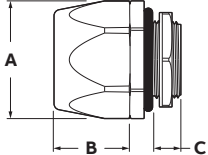
Part no.	Style	Trade size			Thread Type	Type A conduits			SST supports	
		UL	CSA	ISO BS EN		General purpose (Orange)	Food & Beverage (Blue)		One hole	Two hole
		Inches	mm	mm		Part no.	Part no.		Part no.	Part no.
6302NM	Straight	½"	16 mm	20 mm	½"	TYPEA50-200	TYPEAF50L-100		HS101-SS	HS901-SS
6303NM		¾"	21 mm	25 mm	¾"	TYPEA75-175	TYPEAF75L-100		HS102-SS	HS902-SS
6304NM		1"	27 mm	32 mm	1"	TYPEA100-100	TYPEAF100L-100		HS103-SS	HS903-SS
6305NM		1¼"	35 mm	40 mm	1¼"	TYPEA125-100	TYPEAF125L-100		HS104-SS	HS904-SS
6306NM		1½"	41 mm	50 mm	1½"	TYPEA150-50	TYPEAF150L-50		HS105-SS	HS905-SS
6307NM	90°	2"	53 mm	63 mm	2"	TYPEA200-50	TYPEAF200L-50		HS106-SS	HS906-SS
6322NM		½"	16 mm	20 mm	½"	TYPEA50-200	TYPEAF50L-100		HS101-SS	HS901-SS
6323NM		¾"	21 mm	25 mm	¾"	TYPEA75-175	TYPEAF75L-100		HS102-SS	HS902-SS
6324NM		1"	27 mm	32 mm	1"	TYPEA100-100	TYPEAF100L-100		HS103-SS	HS903-SS
6325NM		1¼"	35 mm	40 mm	1¼"	TYPEA125-100	TYPEAF125L-100		HS104-SS	HS904-SS
6326NM		1½"	41 mm	50 mm	1½"	TYPEA150-50	TYPEAF150L-50		HS105-SS	HS905-SS
6327NM		2"	53 mm	63 mm	2"	TYPEA200-50	TYPEAF200L-50		HS106-SS	HS906-SS

Note: Product must be installed in accordance with applicable national and local electrical codes.

Series 630xNM Type A non-metallic fittings with O-rings and non-metallic locknuts

Straight fittings

Dimensions (approximate)

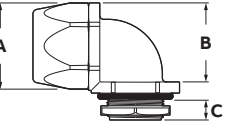
Drawing	Trade Size			Inches			Millimeters			Weight	
	UL	CSA	ISO BS EN	A	B	C	A	B	C	lbs	kg
	Inches	mm	mm								
	½"	16 mm	20 mm	1½"	1¼"	⅝"	38.10	42.86	15.88	0.09	0.04
	¾"	21 mm	25 mm	1 25/32"	1 7/8"	⅝"	45.24	47.63	15.88	0.13	0.06
	1"	27 mm	32 mm	2 1/8"	1 29/32"	2 5/32"	53.98	48.42	19.84	0.20	0.09
	1¼"	35 mm	40 mm	2 11/16"	2 3/4"	2 5/32"	68.26	69.85	19.84	0.35	0.16
	1½"	41 mm	50 mm	3"	2 13/32"	¾"	76.20	61.12	19.05	0.35	0.16
	2"	53 mm	63 mm	3 5/8"	2 19/32"	2 5/32"	92.08	65.88	19.84	0.55	0.25

Note: Product must be installed in accordance with applicable national and local electrical codes.

Series 632xNM Type A non-metallic fittings with O-rings and non-metallic locknuts

90° fittings

Dimensions (approximate)

Drawing	Trade Size			Inches			Millimeters			Weight	
	UL	CSA	ISO BS EN	A	B	C	A	B	C	lbs	kg
	Inches	mm	mm								
	½"	16 mm	20 mm	1½"	1"	⅝"	38.10	25.40	15.88	0.13	0.06
	¾"	21 mm	25 mm	1 25/32"	1 1/8"	⅝"	45.24	28.58	15.88	0.18	0.08
	1"	27 mm	32 mm	2 1/8"	1 1/4"	2 5/32"	53.98	31.75	19.84	0.24	0.11
	1¼"	35 mm	40 mm	2 11/16"	1 21/32"	2 5/32"	68.26	42.07	19.84	0.48	0.22
	1½"	41 mm	50 mm	2 31/32"	1 25/32"	¾"	75.41	45.24	19.05	0.51	0.23
	2"	53 mm	63 mm	3 5/8"	2 1/16"	2 5/32"	92.08	52.39	19.84	0.82	0.37

Note: Product must be installed in accordance with applicable national and local electrical codes.

