

Carflex® Liquidtight Flexible Conduit and Fittings

Carflex® Liquidtight Flexible Non-Metallic Conduit

Liquidtight Flexible Non-Metallic Conduit provides superior wire protection in harsh, damp environments. Carflex® Conduit is non-conductive, non-corrosive and resistant to oil, acid, ozone and alkaline. Carflex® Conduit is strong and lightweight and, because it weighs 50% less than metallic systems, it's easy to handle, transport and install. Carflex® is ideal for industrial, air conditioning, heating and outdoor lighting applications.

Features:

- Non-conductive and non-corrosive
- Lightweight for easy handling, transportation and installation
- Crush, abrasion and strain resistant
- Provides superior wire protection
- Smooth interior ideal for pulling cable
- No jagged edges
- Maintains internal I.D., even in tight-radius bends
- Type LFNC-B
- Resistant to oil, acid, ozone and alkaline
- UL® Listed for use as indicated in Article 356.2 of the NEC®, and Section 12-1300 of the Canadian Electrical Code, Part 1
- UL® Listed for outdoor use
- UL® Listed for sunlight resistance
- Trade sizes ½", ¾" and 1" are UL® Listed for direct burial and concrete encasement
- Sequentially marked footage
- Suitable for use at conduit temperatures of 80° C dry, 60° C wet and 60° C oil resistant as required by section 15-6 of ANSI/NFPA 79 and UL 1660
- Material – PVC

Coils

CAT. NO.	NOM. SIZE (IN.)	AVG. O.D. (IN.)	AVG. I.D. (IN.)	STD. CTN. (FT.)	STD. WT. (LBS.)
15004-100	¾"	.700	.489	100	11.70
15005C-25	½"	.830	.627	25	3.25
15005-100*	½"	.830	.627	100	13.00
15005BK-100*	½"	.830	.627	100	13.00
15007-100*	¾"	1.040	.825	100	18.00
15008-100*	1"	1.302	1.046	100	28.00
15009-100	1¼"	1.645	1.385	100	37.60
15010-50	1½"	1.882	1.580	50	22.55
15010-100	1½"	1.882	1.580	100	47.80
15011-050	2"	2.357	2.025	50	34.10

Standard color is gray.

*Joint UL Listed/CSA Approved product available



Note: Liquidtight flexible conduits, metallic and non-metallic, in contrast to rigid PVC conduit and electrical non-metallic tubing, does not have wire temperature limitations. Any temperature-rated wire (for example, 90° wire) can be used as long as the temperature conditions marked on the conduit are not exceeded. UL Listed conduits that are not marked are limited to a maximum temperature of 60° C wet or dry.

Applications:

- Control and motor
- Air conditioning and heating
- Computer power distribution
- Machine tools
- Console wiring
- Transformer connections
- Outdoor lighting

Custom Orders:

Available in gray (standard) and black.



Reels

CAT. NO.	NOM. SIZE (IN.)	AVG. O.D. (IN.)	AVG. I.D. (IN.)	STD. CTN. (FT.)	STD. WT. (LBS.)
15004-001	¾"	.700	.489	1000	145.0
15005-001	½"	.830	.627	1000	157.0
15005BK-001	½"	.830	.627	1000	157.0
15007-001	¾"	1.040	.825	1000	212.0
15008-500	1"	1.302	1.046	500	155.0
15009-200	1¼"	1.645	1.385	200	100.0
15010-150	1½"	1.882	1.580	150	95.7
15011-100	2"	2.357	2.025	100	94.6

Standard color is gray.

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Carflex® X-Flex™ Non-Metallic Mechanical Protection Tubing

Extra-Flexible Non-Metallic Mechanical Protection Tubing is ideal for applications requiring extra strength and flexibility, such as robotics and repetitive-flexing arms. Carflex® X-Flex™ is non-conductive, non-corrosive and resistant to oil, acid, ozone and alkaline. It's designed for use with standard Carflex® fittings, providing a complete non-metallic system. Carflex® X-Flex™ is lightweight for easier handling, transportation and installation.

Features:

- Extra-strong and flexible to withstand repetitive motions
- Non-conductive and non-corrosive
- Resistant to oil, acid, ozone and alkaline
- Lightweight for easy handling, transportation and installation
- Crush, abrasion and strain resistant
- Provides superior wire protection
- Smooth interior ideal for pulling cable
- No jagged edges
- Rated for continuous use at 60° C (140° F) ambient
- Type NMPT-B
- UL® Recognized to UL® Standard 1696
- Material – PVC

Applications:

- Repetitive flexing arms
- Robotics
- Machine tools
- Automatic/moving machinery
- Control and motor



Where noted by ♦

Coils

CAT. NO.	NOM. SIZE (IN.)	AVG. O.D. (IN.)	AVG. I.D. (IN.)	STD. CTN. (FT.)	STD. WT. (LBS.)
15104-100	3/4	.700	.489	100	9.09
15105-100	1/2	.830	.627	100	10.01
15107-100♦	3/4	1.040	.825	100	13.91
15108-100♦	1	1.302	1.046	100	18.25
15109-100♦	1 1/4	1.645	1.385	100	27.65
15110-100	1 1/2	1.882	1.580	100	38.00
15111-050	2	2.357	2.025	50	24.22