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WE GET IT 24/7 Emergency Material Access Jacketed Metallic

EMI/RFI Shielded

Unjacketed Metallic

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Nonmetallic

ALL PRODUCT CATALOG

electri-flex company

ROYAL ELECTRIC SUPPLY The Source For Flexible Electrical Conduit

Liquatite[®], by Electri-Flex Company, has earned an international leadership reputation for quality, service, and product innovation. For nearly 60 years, Electri-Flex Company has served the electrical industry with the highest quality flexible electrical liquidtight conduit around. The Liquatite[®] line includes nearly 40 varieties of electrical conduits for contractors, OEMs, industrial maintenance and repair (MRO), government, utility, and export users. Product categories include: Jacketed Metallic, EMI/RFI Shielded (Shield-Flex), Unjacketed Metallic and Nonmetallic, including the Corrlok® line of nylon conduit & connectors. Custom design and manufacturing capabilities are also available.

	Description: A flexible conduit listed by both UL and CSA that offers outstanding protection against wet and oily conditions and is permitted for use in exposed or concealed locations. Other colors available upon request.	Core: Hot Dipped Galvanized Steel Jacket: PVC Trade Size: 3/8" - 4" Temp. Range: -30°C to 80°C Dry/ 60°C Wet/70°C Oil Approvals: UL listed; CSA certified				
	Description: A general-purpose, non-UL, spec grade, flexible conduit designed for a variety of installations requiring motion, vibration and bending. It offers good mechanical and moisture protection to enclosed conductors.					
FOOD GRADE	Description: Designed with a specially formulated food grade jacket. The jacket is approved for "splash zone" food and beverage contact per FDA CFR21 and NSF 51/61 requirements. Common Applications: Food manufacturing and processing plants, pharmaceutical manufacturers, meat and poultry packing facilities.	Core: Steel Jacket: FDA approved PVC Trade Size: 3/8" - 2" Temp. Range: -20°C to 60°C Approvals: FDA approved; NSF Certified				
GENERAL PURPOSE LIQUATITE*	Description: This non-UL flexible liquidtight conduit is a competitive-grade version of our Type LT and conforms to JIC standards for dimensions and general construction.	Core: Steel Jacket: PVC Trade Size: 3/8" - 2" Temp. Range: -20°C to 80°C Approvals: JIC				
	Description: This product is offered as a non-UL, oil-resistant conduit that incorporates a high-quality PVC jacket. For a UL listed version, consult factory for Type LA/LOR.	Core: Steel Jacket: PVC Trade Size: 3/8" - 6" Temp. Range: -30° C to 80°C Dry/ 60°C Wet/70°C Oil Approvals: JIC				
	Description: Identical to type LA but designed with a blue jacket that easily identifies circuitry for computer wiring. Common Applications: Computer rooms and data centers.	Core: Hot Dipped Galvanized Steel Jacket: PVC Trade Size: 3/8" - 4" Temp. Range: -30°C to 80°C Dry/ 60°C Wet/70°C Oil Approvals: UL listed; CSA certified				
CANADIAN STANDARD	Description: This flexible liquidtight conduit is similar to Type LA, however it is specifically made per Canadian Code. This product is the standard product for Canadian applications requiring standard liquidtight conduit.	Core: Steel Jacket: PVC Trade Size: 3/8" - 4" Temp. Range: -40°C to 75°C Approvals: CSA certified				
	Description: Designed specifically for hot or cold environments. Uses Type LA steel core with a PVC jacket that remains flexible at low temperatures and resists aging at elevated temperatures. Common Applications: High temperature machine tool wiring, power plants, steel mills, oil refineries, and sub-zero areas.	Core: Hot Dipped Galvanized Steel Jacket: High/Low Temp PVC Trade Size: 3/8" - 4" Temp. Range: UL: -55°C to 105°C Air/60°C Wet/70°C O CSA: -50°C to 105°C Dry / 75°C Oil Approvals: UL listed; CSA certified				
	Description: A flexible non-UL conduit that uses a jacketing material specifically designed for hot or cold environments. For a UL listed & CSA certified version, see Type ATLA. Common Applications: Power plants, utilities, steel mills, annealing ovens, lumber kilns, and refrigeration.	Core: Steel Jacket: High/Low Temp PVC Trade Size: 3/8" - 6" Temp. Range: UL: -55°C to 105°C intermitting to 120°C				
	Description: A non-UL conduit designed with a thermoplastic rubber jacket which is virtually unaffected by temperature extremes and contains no halogens. Common Applications: Boilers, furnaces, sub-zero areas, power plants, utilities, steel mills, and refrigeration.	Core: Steel Jacket: Thermoplastic Rubber Trade Size: 3/8" - 4" Temp. Range: -60°C to 150°C intermitting to 165°C				

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	EXTRA FLEXIBLE	Description: This conduit utilizes a vacuum extrusion process that does not restrict the flexibility of the inner steel core. The VJC product is a great fit for static or dynamic applications where either a tight bend diameter or additional flexibility is needed.	Core: Steel Jacket: PVC Trade Size: 3/8" - 3" Temp. Range: -20°C to 80°C				
JACKETED METALLIC		Description: Similar to non-UL type LT but weighs considerably less due to the use of a corrosion resistant aluminum core instead of steel. Common Applications: Aerospace applications, water treatment plants, water reclamation districts, refineries, pulp and paper mills, and marinas.	Core: Aluminum Jacket: PVC Trade Size: 3/8" - 6" Temp. Range: -20°C to 80°C				
ED ME		Description: This UL listed product is designed with a polyurethane jacket that is zero-halogen, low smoke, low flame spread and will eliminate the release of acidic gases found in PVC products. Common Applications: Subways, tunnels, elevators, data centers, convention centers, stadiums, and hospitals.	Core: Hot Dipped Galvanized Steel Jacket: Polyurethane Trade Size: 3/8" - 4" Temp. Range: -40°C to 80°C Air/ 60°C Wet/70°C Oil Approvals: UL listed				
ACKET	HALOGEN-FREE	Description: This non-UL liquidtight flexible conduit is designed for applications where safety concerns exist regarding a material's reaction in a fire situation. It retains the same characteristics and applications as the ZHLA product however it can be used in applications where UL listing is not necessary.	Core: Steel Jacket: Polyurethane Trade Size: 3/8" - 6" Temp. Range: -40°C to 80°C				
'n	HALOGEN-FREE ALUMINUM	Description : This non-UL liquidtight flexible aluminum conduit uses the same, zero halogen, polyurethane jacket as Type CEA but weighs considerably less due to the aluminum core. Common Applications: When weight, corrosion resistance, and the emission of toxic gases are all a concern.	Core: Aluminum Jacket: Polyurethane Trade Size: 3/8" - 4" Temp. Range: -40°C to 80°C				
SHIELDED	COOD SHIELDING	Description: Type SLA is identical to standard UL listed liquidtight flexible steel conduit, but is augmented with a tinned copper shielding braid underneath its protective PVC jacket. The braid offers a minimum of 90% coverage. Also available with a Halogen-Free jacketing (HFSLA). Common Applications: Military and defense industries, medical equipment and surrounding areas, shipbuilding, and in wireless communications.	Core: Hot Dipped Galvanized Steel Jacket: PVC Trade Size: 3/8" - 2" Temp. Range: -30°C to 80°C Dry/ 60°C Wet/70°C Oil Approvals: UL listed				
-	BETTER SHIELDING	Description: Type EMS has an inner core made from a fully interlocked bronze strip and does not contain a braided shield. The bronze is more conductive than the steel core of the SLA product and thus provides better shielding effectiveness. Also available with a Halogen-Free jacketing (HFEMS).	Core: Bronze Jacket: PVC Trade Size: 3/8" - 4" Temp. Range: -55°C to 105°C				
EMI/RF	EEST SHIELDING	Description: Type EMCS is a hybrid of SLA and EMS. It utilizes the same bronze core and PVC jacket as EMS, but gets further screening protection from a tinned copper braid as found in the SLA product. Also available with a Halogen-Free jacketing (HFEMCS).	Core: Bronze Jacket: PVC Trade Size: 3/8" - 2" Temp. Range: UL: -55°C to 105°C				
ΓĽ		Description: This flexible steel "Blue Ribbon" (BR) conduit has many universal wiring applications. It is often referred to as "Greenfield" or "Reduced Wall Flex".	Metal Used: Hot Dipped Galvanized Steel Trade Size: 3/8" - 4" Approvals: UL listed (3/8" - 3"); CSA certified (3/8" only)				
METAI		Description: This flexible aluminum "Blue Ribbon" (ABR) conduit has many universal wiring applications. It is often referred to as "Greenfield" or "Reduced Wall Flex".	Metal Used: Aluminum Trade Size: 3/8" - 4" Approvals: UL listed (3/8" & 1/2" - 3"); CSA certified (3/8" & 7/16" only)				
UNJACKETED METALLIC		Description: This CSA certified flexible aluminum conduit has many universal wiring applications. It has a heavier aluminum wall than our standard ABR thus providing greater crush resistance and mechanical strength.	Metal Used: Aluminum Trade Size: 3/8"-4" Approvals: CSA certified				
UNJAG	GENERAL PURPOSE FLEX	Description: This non-UL flexible steel conduit has many universal wiring applications. It is used when flexible steel conduit is necessary but the application does not require UL approval.	Metal Used: Steel Trade Size: 3/8" - 4"				
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ROYAL ELECTRIC SI	JPPL

Conduit Application Guide

Flexibility

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advisors	@royalelectric.com www.l WE GET IT 24/7 Emergency Material A	royalelectric.com	Continued Flexi	Small Bend Rad	Flexible	Pliable (Static)	Metal Used	Plastic Used	High Mech. Strength	Listed for Direct Burial	Halogen- Free	Low Fire Hazard	Accepts Standard Luquidtight Fittings	Self- Extinguising	EMI/RFI Shielding	Approval
JACKETED METALLIC		TYPE LA			•		Steel	PVC	•	•			(•			(L) (F
		TYPE LT			•		Steel	PVC								ЛС
		TYPE LTFG		•	•		Steel	PVC					•	ļ į		NSF/FDA
		TYPE EF			•		Steel	PVC								JIC
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		TYPE CSA			•		Steel	PVC	•	_	_		•	•		(SF)
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		TYPE AT		•	•		Steel	PVC					•			
	····	TYPE ATX			۲		Steel	TPR			•		18			
		TYPE VJC	•	•	•		Steel	PVC					•			
		TYPE ALT			٠		Aluminum	PVC								
	Section 1999	TYPE ZHLA			•		Steel	PU		•	•	•		•		٩
		TYPE CEA					Steel	PU			•					
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EMI/RFI		TYPE SLA			•		Steel	PVC	•	٠	Available	Available	•	۲		(L)
		TYPE EMS			٠		Bronze	PVC			Available	Available				
ũ		TYPE EMCS			•		Bronze	PVC			Available	Available	•	•	•	
¥		TYPE BR			•		Steel									(L) (SA ·
ALLIC		TYPE ABR			٠		Aluminum									(L) SA.
ET		TYPE ABRH					Aluminum		•							(SF)
UNJACKETED MET		TYPE FSC					Steel	1								
		TYPE USL			•		Steel									.91
EX.		TYPE UG				•	Steel									
ALNU		TYPE SL	2. • 2		•		Steel									
		TYPE PF				٠	Steel							i i		U
NONMETALLIC		CORRLOK®	•	•				Nylon			•	•				91
		TYPE LNM-P	•		-			PVC					FNMC-A	٠		(L) SF
		TYPE NM			•			PVC		•			•	•		(L) SP
		TYPE NMHT			30			PVC		•						(L) (SF
		TYPE NM2	٠		•			PVC					•			91

*Types BR and ABR are CSA certified in 3/8" only.

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