Shielded Liquid-tight Flexible Metallic Conduits – Type SLA

This flexible shielded liquid-tight conduit is designed for wiring applications requiring protection of sensitive electronic circuits used in communications, radar and data transmission from electromagnetic and radio
frequency interference. Suitable for the following working temperatures ranges:

Dry: -30 to +80°C [-22 to +176°F]

Wet: -30 to +60°C [-22 to +140°F]

Oil: -30 to +70°C [-22 to +158°F]

Square-locked design – Sizes 3/8" to 1-1/4"

Interlocked design – Sizes 1-1/2" and 2"

Applications

- Intended for installation in accordance with Article 350 of the NEC (ANSI / NFPA-70).
- Suitable as an equipment grounding conductor per Article 250.118(7).
- Suitable for use in hazardous locations: Class I, Div. 2 and Classes II and III.
- Air handling equipment (HVAC)
- Test & measurement equipment
- Data centers
- Variable speed drives
- Radio broadband/antenna
- Solar/wind energy
- Accepts standard metallic liquid-tight fittings.
- Ship building
- Medical diagnostics equipment
- Wireless communications

Approvals

- UL File E29278. Conforms to UL standard ANSI/UL-360 for liquid-tight flexible steel conduit.
- RoHS2 and WEEE compliant

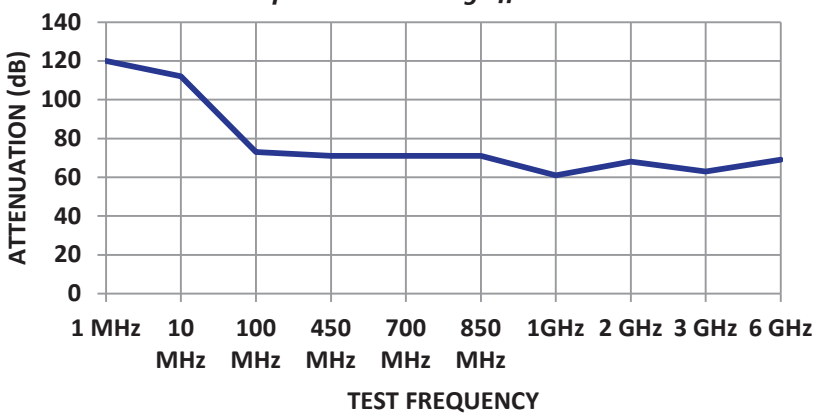
c UL us RoHS 2011/65/EU

MADE IN USA

Type SLA Shielded Jacketed Liquid-tight Flexible Metallic Conduits

Part Number	Price	Trade Size [in]	Length ft [m]	Inside Bend Ø in [mm]	Ø in [mm]		Weight [lb]	Color
					Inside Min/Max	Outside Min/Max		
SLA-10-100		3/8	100 [30.48]	2.0 [50.8]	0.484/0.504 [12.3/12.8]	0.690/0.710 [17.5/18.0]	29.0	Black
SLA-11-100		1/2	100 [30.48]	3.0 [76.2]	0.622/0.642 [15.8/16.3]	0.820/0.840 [20.8/21.3]	32.0	
SLA-13-100		1	100 [30.48]	5.5 [139.7]	1.041/1.066 [26.4/27.1]	1.290/1.315 [32.8/33.4]	82.0	

Comparative Shielding Effectiveness



Note: The spectrum of test frequency is from 1MHz to 10MHz Electric Field, to 100MHz to 1GHz Planewave Field and 2GHz to 6GHz Microwave Field. Tests were performed per MIL-STD-285 on 1" trade size conduit using standard liquid-tight fittings. Results are based on controlled laboratory conditions and may vary in actual field installed conditions.