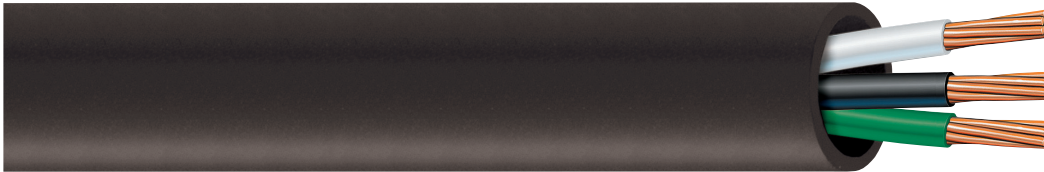


Schedule 40 LSZH Duct

flame-retardant duct 1, 1.25, 1.5, 2, 2.5 & 3 inches diameter



Application

Schedule 40 LSZH duct is for use in subway and transit tunnels and stations where flammability and smoke generation are a concern. It is a non-metallic duct made of modified polyethylene (PE) with low-smoke and flame-retardant additives.

Schedule 40 duct can be supplied as an empty tube or either a pull line or with Draka cables preinstalled. It is shipped with sealed ends to prevent entry of moisture and other contaminants.

Note: Because this duct is made of modified material, it does not precisely subscribe to the usual standards for duct, such as ATSM D-1248. However, it does comply dimensionally with ASTM D-2447 for Schedule 40.

Specifications and Ratings

- GR-356-CORE for Fiber Optic Duct
- ASTM D-2447 Schedule 40 dimensions
- ASTM D-6070 for physical properties

Design Parameter

DUCT: Modified PE with low smoke and flame-retardant additives. Schedule 40 duct is available in sizes from 1 to 3 inches in diameter. Different colors and duct with a molded-in longitudinal stripe for identification are available

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Schedule 40 LSZH Duct

flame-retardant duct 1, 1.25, 1.5, 2, 2.5 & 3 inches diameter

Part Number	Duct size in (mm)	Outer Diameter in (mm)	Wall Thickness in (mm)	Minimum Physical Properties for all duct sizes	Test Method	Test Requirement
40-100	1.00 (25.4)	1.315 (33.4)	0.133 (3.4)	Compression & Recovery	NEMA TC-7	85% minimum
40-125	1.25 (31.8)	1.660 (42.1)	0.140 (3.6)	Crush Resistance	NEMA TC-7	NEMA TC-7 Table 4-1
40-150	1.50 (38.1)	1.900 (48.3)	0.145 (3.7)	Impact Test (room temp)	NEMA TC-7	No cracks > 30% max
40-200	2.00 (50.8)	2.375 (60.3)	0.154 (3.9)	Impact Test (-20° C)	NEMA TC-7	No cracks > 30% max
40-250	2.50 (63.5)	2.875 (73.0)	0.203 (5.2)	Limiting Oxygen Index	ASTM D-2863	28 minimum
40-300	3.00 (76.2)	3.500 (88.9)	0.216 (5.5)	Environmental Stress Cracking	ASTM D-1693, Test Condition C 192 hr. exposure, 100% Igepal CO-630	No cracks > 20% max
				Vertical Tray Flame Test	UL-1581	No Propagation

The data herein is approximate and subject to normal manufacturing tolerances.

Information is subject to change without notice. Consult factory for a variety of alternate constructions for specific applications.

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