

CONTROL and POWER CABLE

LS-ZH Cable Comparison

SPECIFICATION	FREP-CPE IEEE 383, UL 1277, UL 44	XLPE – VW-1 IEEE 383, UL 1277, UL 44, IEEE 1202/FT4, UL 1581	LS-ZH IEEE 383, UL 1277, UL 44, IEEE 1202/FT4, UL 1581, UL 1685 (Limited Smoke)
Flame Retardency	Excellent	Excellent	Excellent
Burn Characteristics	No Dripping	No Dripping	No Dripping (Chars)
Peak Smoke Release (m ² /sec.)*	3.93	0.599	0.023
Total Smoke Release (m ²)*	742	338	7.57
Chlorine Content	Yes	Yes	None
Lead Content	Yes	None	None
Halogen Content	Yes	Yes	None
Moisture Resistant	Excellent	Excellent	Excellent
Low Temperature	Good	Good	Excellent (-40°C)
Limited Oxygen Index (LOI)	30%	<32%	40%
Flexibility	Good	Good	Good
Class 1, Div. 2	Yes	Yes	Yes
Tensile Strength	1600-2000 psi	1800-2200 psi	1800-2000 psi
Jacket/Insulation Abrasiveness	Good	Excellent	Excellent
Sunlight, Oil Resistant, Direct Burial	Yes	Yes	Yes
Acid Resistance	Good	Excellent	Good
Jkt. Weight-to-Strength Ratio	Good	Excellent	Good

*NOTE: Flame Test Data based on UL 1685 / IEEE 1202 / FT4 tests of #2 AWG 3 CDRS Tray Cbles in FREP-CPE, XLPE/PVC, and LS-ZH Constructions.
If you should require any additional informaiton, please feel free to contact us.