



Product # V-1249

18/2 Shielded In-Wall

18 gauge 2 conductor shielded wire for alarm, audio, or control, featuring 16 strand oxygen-free copper (OFC) conductors and ripcord. General Purpose (CL3) fire safety rating for installation in walls and risers (between floors) in residential buildings and in walls in commercial buildings. UL Listed.

<https://www.voltive.com/products/V-1249>

Standards & Ratings

Voltage Rating	300V
Temperature Rating	75°C
Materials & Construction	UL 13
Fire Rating	General Purpose (CL3)
Flame Test	UL 1685
Testing Laboratory	UL
Direct Burial?	No
Sunlight Resistant?	No
RoHS?	Yes

Insulation

Colors	Red, Black
Material	Polyvinyl Chloride (PVC)
Average Thickness	0.37mm ± 0.05mm
Minimum Thickness	0.32mm
Outer Diameter	1.90mm ± 0.10mm
Resistance	≥ 50 megaohms/km
Dielectric Strength	500V AC for 1 minute

Shielding

Material	Aluminum & Mylar foil
Drain Wire?	Yes

Part Numbers

Part #	Old Part #	Color	Length	Packaging	UPC	Weight	L x W x H (in)	Link
V-1249-1		White	500ft	Box	810095240898	13.4 lbs	11.6 x 9.9 x 11.8	View

Conductors

Gauge	18AWG
Count	2
Material	Oxygen Free Copper
Outer Diameter	1.15mm
Strand Count	16
Strand Diameter	0.250mm
DC Resistance	≤ 21.90 ohms/km

Jacket

Available Colors	White
Material	Polyvinyl Chloride (PVC)
Thickness	0.52mm ± 0.10mm
Minimum Thickness	0.42mm
Outer Diameter	4.60mm ± 0.30mm
Minimum Bend Radius	20 × diameter (92mm)
Ripcord	Cotton
Printing	VOLTIVE 18AWG 2C SHIELDED - V-1249 - (UL) CL3 E516774-XX 75C - MM/YY - XXX-XXX - XXX FT USED / XXX FT REMAINING