

# Paired-Shielded Twisted Pair Fire Alarm Audio Control Water Resistant Cable

For Outdoor In conduit & Direct Burial Applications

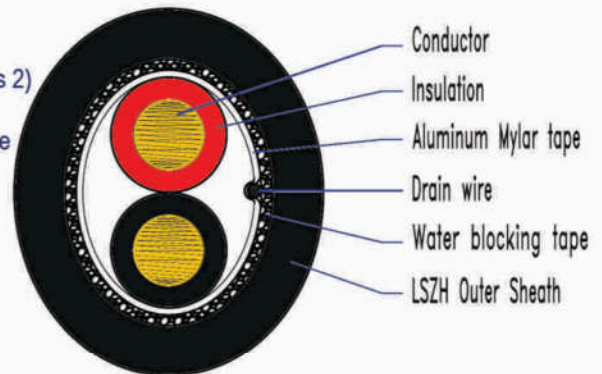


The Water Resistant Cable from HOSIWELL is suitable to use for installation in signaling & fire alarm system. Indoor/outdoor wet location. This cable is constructed with PVC Insulation, 100 % Aluminium Foil – Polyester Tape Shield Drain Wire, Water blocking Tape with LSZH fire protective Outer Jacket. (LSZH)

## CABLE CONSTRUCTION

P/N 9018-AQ-LSZH

Conductor	Stranded Bare Copper (Class 2)
Insulation	105°C PVC
Shielding (Coverage 100%)	Aluminum Foil-Polyester Tape
Drain Wire	Tinned Copper wire
Water Blocking Tape	Wrapping double layer
Outer Jacket, Color	Low smoke and no halogen LSZH, Black



## PHYSICAL CHARACTERISTICS

No of Pair	1
Conductor Size	1 x 18 AWG (7x26AWG)
Insulation Thickness	0.43 mm
Insulation Diameter	1.88 ± 0.03mm
Drain Wire Size	22 AWG (7X0.26 mm)
Jacket Thickness	0.72 mm
Jacket Avg. Thickness	0.80 mm
Jacket Diameter	5.90 ± 0.20 mm
Min. Bending Radius Minor Axis	59 mm
Operation Temperature	-20°C to 105°C

## COMPLIANCE

- UL Standard 1424
- NEC Article 760
- UL 1685 Vertical Tray
- UL Approvals
- RoSH



## ELECTRICAL CHARACTERISTICS

Max. Operating Voltage UL	300V
AC. high voltage test for 2 second	1.5 kV
Max. Conductor DCR at 20°C	21.4 Ω/km
Min. Insulation Resistance at 15.6°C	30.5 Ω/km
Spark Test	5.0 kV

## JACKET CHARACTERISTICS

Weatherproof and sunlight resistance PVC  
Anti-ant and mouse destroy PVC  
Flame retardant: UL type FT4 flame test  
Standard Lengths are : 1000 feet (305 meter)

**Marking on cable surface :** HOSIWELL CABLE P/N-9018-AQ-LSZH. E157979 -T(UL)TYPE FPL 105°C 18 AWG  
FIRE PROTECTIVE SIGNALING CIRCUIT WATER RESISTANT CABLE

## APPLICATIONS

For fire alarm system, building sound, broadcast, audio control, and instrument use to be in conduit.  
In a outdoor underground environment.