

# FireFighter®

LSZH (RS)TIA-485 Long Distance Installation  
Control Cables IEC60332-1 600V



## Application

A range of 18awg low capacitance cables with a high level of screening. Provides interference free, high speed data transmission with less voltage drop over long distances. Suitable for (RS)TIA-485 applications. These cables use FireFighter® Low Smoke Zero Halogen performance materials.

## Cable Design

Conductor	Stranded tinned copper wire 16/0,25mm (18awg)
Insulation	Cross-Linked Polyethylene (XLPE) Ø 3,10 mm
No. of Pairs	1 or 2 - Colour coded Chart 5
Individual Foil Shield*	Each pair Individual Aluminium/polyester tape + 20awg TC drain wire
Overall Foil Shield	Overall Aluminium/polyester tape + 20awg TC drain wire
Overall Braid Shield	Tinned copper wire braid, 80% nom. coverage
Outer Jacket	LSZH FireFighter®

\*2 pair only



## Characteristics

- Rated Voltage: 600 V
- Temperature Range: -20 °C up to +90 °C
- Flame Retardant acc. to IEC 60332-1
- Halogen Free acc. to IEC 60754
- Smoke Emission acc. to IEC 61034
- Euroclass Eca

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## Characteristics

Part Number	No. of Pairs	Overall Diameter  mm	Nom. Capacitance (cond./cond.)  pF/m	Nom. Capacitance (cond./screen)  pF/m	Conductor DC Resistance  Ω/km	Nom. Velocity of propagation  %	Nom. Impedance  Ω
631P18X44	1	9,0 ± 0,5	48	91	22	67	120
632P18X44	2	10,40	48	91	22	67	120

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