

# 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
Overall Shield	1 pair : Overall Aluminium/polyester tape + TC Drain wire 2 pair : each pair Individual Aluminium/polyester tape + tinned copper drain wire with each pair
Overall Braid Shield	Tinned copper wire braid, 65% coverage
Outer Jacket	LSZH FireFighter® SHF-1

## Characteristics

Colour	Black
Rated Voltage	600 V
Temperature Range	-20°C up to +90°C

## Fire Behaviour

FireFighter® cables fulfill one or several of the following standards and can be confirmed at time of enquiry:

- Flame Retardant acc. to IEC 60332-1 flame resistance for single cables
- Flame Retardant acc. to IEC 60332-3 flame resistance for bunched cables
- Halogen Free acc. to IEC 60754 series
- Smoke Emission acc. to IEC 61034 series



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## Characteristics

Part Number	No. of Pairs	Overall Diameter  mm	Nom. Capacitance (cond./cond.)  pF/m	Nom. Capacitance (cond./ 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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