



# FireFighter® 430Series

LSZH Multi-Pair 22awg (RS)TIA-485 Control Cables 600V

## Application

A range of 22awg low capacitance cables with a high level of screening. Provides interference free, high speed data transmission suitable for a range of RS485 applications including automation systems such as Modbus , BACnet MS/TP,HART and CanOpen systems. These low capacitance cables have enhanced noise protection providing the highest performance under harsh environments and use FireFighter® Low Smoke Zero Halogen performance materials.

Warranty: 1 year from date of shipment

## Cable Design

Conductor	Stranded tinned copper wire (22awg)
Insulation	Polyethylene (PE)
No. of Pairs	2
Overall Shield	Overall Aluminium/polyester tape
Drain Wire	Stranded tinned copper wire
Overall Braid Shield	Tinned copper wire braid, 65% coverage
Outer Jacket	LSZH FireFighter® SHF-1
Pair Identification	Pair 1) Blue/White & White/Blue Pair 2) Orange/White & White/Orange.

## Characteristics

Rated Voltage	600 V
Temperature Range	-20 °C up to +90 °C
UV Resistant	acc. ISO 4892-2/A

## Fire Behaviour

- Flame Retardant acc. to IEC 60332-1
- Fire Retardant acc. to IEC60332-3-24
- Halogen Free acc. to IEC 60754
- Smoke Emission acc. to IEC 61034
- Euroclass : Dca,s1,d2,a1





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## Specification

Part Number	Formation	Nom. Ø	Nom. Shield DC Resistance	Weight
	N° x Pair x AWG	mm ± 10%	Ω/km	kg/km
4302P2254-01	2 x 2 x 22 awg	8,25	4,6	108

## Electrical Characteristics

Nom. Capacitance (cond./cond.) pF/m	Nom. Capacitance (cond./cond./scrn) pF/m	Max. Conductor DC Resistance Ω/km	Nom. Velocity of Propogion %	Nom. Impedance Ω
36,1	65,6	53,86	78	120

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