

# Foundation Fieldbus 460Series ICAT DataGuard® (GSWB) LSZH FireFighter®

**Pair** 1x2x18awg/7 screened

**Conductor**  
Stranding Stranded tinned copper wire (18awg)  
7/0,40 mm

**Insulation**  
Diameter Solid Polyethylene (PE)  
2,40 mm  
Core identification Orange/Blue twisted pair  
Tape plastic tape overlapped

**Drain Wire**  
Stranding Stranded tinned copper wire  
7/0,32 mm

**Screen**  
coverage Aluminium/polyester tape (Alu. Inside)  
100%  
Tape Polyester with numbered coding tape



## Cable Construction

**Core** 5, 10 or 20 x (1x2x18awg/7 screened pairs)

**Tape** Polyester

**Drain Wire**  
Stranding Stranded tinned copper wire  
7/0,32 mm

**Screen**  
coverage Aluminium/polyester tape (Alu. Inside)  
100%

**Inner Jacket**  
Diameter LSZH FireFighter®, Orange  
see specification table

**Armour** DataGuard® Galvanised Steel Wire Braid (GSWB)

**Outer Jacket**  
Wall thickness LSZH FireFighter®, Black  
1,0 mm  
Diameter see specification table

## Specification

Part Number	Formation <i>No. of Pairs</i>
244605P18104	5 Pair 5 x 2 x 18 awg
244610P18104	10 Pair 10 x 2 x 18 awg
244620P18104	20 Pair 20 x 2 x 18 awg

## Electrical Data @ 20° C

Impedance			100	Ohm/km
Inductance			62,7	μH/m
Capacitance (cond. : shield)	1	kHz	148,5	pF/m
Mutual Capacitance	1	kHz	79,2	nF/m
Maximum Capacitance Unbalance	1	kHz	3,96	pF/m
Velocity of Propagation			66	%
Conductor DC Resistance			19,33	Ohm/km
Shield DC Resistance			24,75	Ohm/km
Nominal Attenuation	0,039	MHz	0,262	dB/100m
Maximum Attenuation	0,039	MHz	0,300	dB/100m