

DataGuard® (SWA)

LSZH FireFighter® 440Series Multi-Pair 24awg Low Capacitance 600V



Cable Design

Core

Conductor	Stranded tinned copper wire (24awg)
Insulation	see specification table

Pair

2 cores twisted to a pair

Assembly

Centre	X pairs stranded
No. of Pairs	1, 2, 3, 4 or 8
Pair identification	Chart 5
Drain Wire	Stranded tinned copper wire
Shield	Overall Aluminium/polyester tape
Braid	Tinned copper wire braid, 90% coverage

Inner Jacket

Colour	LSZH FireFighter® SHF-1 Grey RAL 7001
--------	--

Armour

DataGuard® Steel Wire Armour (DSWA)

Outer Jacket

Colour	LSZH FireFighter® SHF-1 Black
--------	----------------------------------



Characteristics

- 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
- UV Stable
- 600 V Rated
- Temperature Range : -20°C to +90°C

DataGuard® (SWA)

LSZH FireFighter® 440Series Multi-Pair

24awg Low Capacitance 600V

Specification

Part Number	Formation <i>No. of Pairs</i>	Insulation	Insulation Diameter <i>mm</i>	Nom. Inner Jacket Ø <i>mm</i>	Nom. Outer Jacket Ø <i>mm</i>	Weight <i>kg/km</i>
144401P2454	1 x 2 x 24 awg	PE	1,62	5,00	10,00 ± 0,4	336
144402P2454	2 x 2 x 24 awg	PE	1,62	7,60	12,20 ± 0,4	350
144403P2454	3 x 2 x 24 awg	PE	1,62	8,20	12,30 ± 0,4	358
144404P2454	4 x 2 x 24 awg	PE	1,62	9,80 ± 0,3	14,00 ± 0,5	367
144408P2454	8 x 2 x 24 awg	Foam PE	1,15	9,10	13,15 ± 0,4	406

Electrical Characteristics

Nom. Capacitance (cond./cond.)	Nom. Capacitance (cond./cond./ screen)	Electrical Resistance	Nom. Velocity of Propagation	Nom. Inductance	Nom. Impedance
<i>pF/m</i>	<i>pF/m</i>	<i>Ω/km</i>	<i>%</i>	<i>μH/m</i>	<i>Ω</i>
42	75,5	82	66	0,56	120

Also available with DataGuard® armoured protection :



DataGuard® GSWB