

DataGuard® (SWA)

LSZH FireFighter® 400 Series Single Pair 600V



Application

A range of unshielded single pair cables for indoor/outdoor use in instrumentation, security, data and audio applications where protection against electrical interference is not required. These cables utilise DataGuard® armouring and FireFighter® Low Smoke Zero Halogen performance materials.

Cable Design

Conductor	Stranded tinned copper wire
Insulation	LSZH FireFighter®
No. of Pairs	1 (1x2xAWG)
Inner Jacket	LSZH FireFighter® SHF-1, Grey
Armour	DataGuard® Steel Wire Armour (DSWA)
Outer Jacket	LSZH FireFighter®, Black

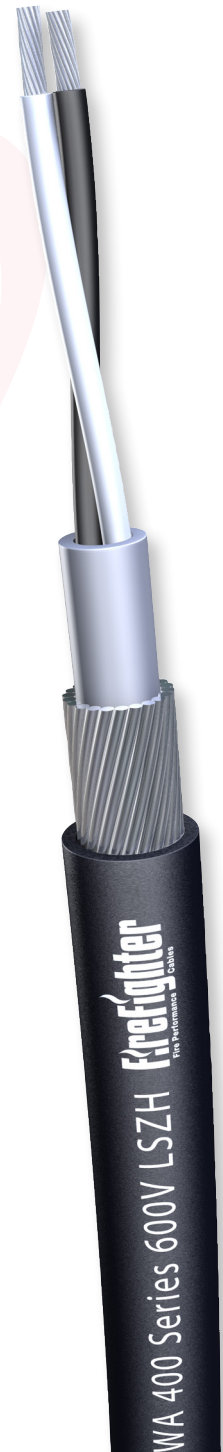
Characteristics

- Indoor/Outdoor applications
- Mechanical protection
- Rodent Protection
- Direct Burial
- UV-Resistant
- 600 V rated
- 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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Specification

Part Number	Formation N° x Pair x AWG	Colour Code	Nom. Inner Jacket Ø mm	Nom. Outer Jacket Ø mm	Weight kg/km
144001P2244	1 x 2 x 22 awg	black / red	4,32	8,12	308
144001P2044	1 x 2 x 20 awg	black / red	4,57	8,37	311
144001P2044-BW	1 x 2 x 20 awg	black / white	4,57	8,37	311
144001P1844	1 x 2 x 18 awg	black / red	5,94	9,74	329
143001P1844	1 x 2 x 18 awg	black / white	6,00	9,74	329
144001P1644	1 x 2 x 16 awg	black / white	6,96	10,76	341
144001P1444	1 x 2 x 14 awg	black / white	8,64	12,44	386
144001P1244	1 x 2 x 12 awg	black / white	9,80	16,24	432

Electrical Characteristics

Part Number	Nom. Capacitance (cond./cond.) pF/m	Nom. Conductor DC Resistance Ω/km	Nom. Inductance μH/m
144001P2244	98	51,4	0,56
144001P2044	80,8	33	0,56
144001P2044-BW	80,8	33	0,56
144001P1844	83,64	19,22	0,56
143001P1844	83,64	19,22	0,56
144001P1644	66,2	13,6	0,56
144001P1444	70	8,8	0,56
144001P1244	108	5,9	0,56

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