

UNITRONIC® BUS FF-844 H1 LSZH

FF-844 H1 installation cable with LSZH solution



Info

- Certified with FOUNDATION FIELDBUS “FF- 844 H1”
- For TYPE A installation

Benefits

- Cables meet the requirements of ISA/ SP50 and the FOUNDATION™ field bus for the cable type A

Application range

- FF cables for operating temperature up to +90° C
- Fixed Installation
- Indoor / Outdoor
- Direct burial (Armoured version)
- Tray application (Steel Wire Braid versions)

Product features

- Flammability : According to IEC 60332-1
- LSZH Property
- Oxygen Index(Min.) : >29% as per ASTM D 2863
- Temp. Index (Min.) : >250 Deg C as per ASTM D 2863
- HCL gas emission (Max.): AS PER IEC 754-2; Smoke Density : Min. Visibility 80% as per ASTM D 2843

Norm references / Approvals

- IEC 61158-2
- FF 844
- BS EN 50288-7

Product Make-up

- Conductor : ATC of Class II
- Core Insulation : XLPE
- Individual and Overall Screening : AL-MYLAR tape
- Inner Sheath : LSZH, colour orange
- Mechanical Protection : SSA-Steel strip armour / SWA-Steel wire armour / SY-Steel Braid
- Outer Sheath : LSZH / LSZH with UV and AR, orange

Technical data

- Core identification code**
Blue and orange cores with numerical printing for pair identification
- Peak operating voltage**
300 V
- Conductor resistance**
23.5 Ohm/Km
- Minimum bending radius**
Unarmoured = 12 X OD
Armoured = 20 X OD
- Characteristic impedance**
100 ± 20 Ω At 3.125 kHz
- Temperature range**
-30°C to +90°C

Article number	Number of pairs and AWG size	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
UNITRONIC® BUS FF LSZH - HXOR				
382200017	1 X 2 X 18	8.6	15.4	90
382200041	2 X 2 X 18	14.7	30.7	220
382200233	10 X 2 X 18	27.4	153.5	785
382200281	12 X 2 X 18	28.3	184.2	893
382200349	20 X 2 X 18	35.8	307.1	1,418
382200381	24 X 2 X 18	39.9	368.5	1,685
382200389	25 X 2 X 18	39.9	383.8	1,733
UNITRONIC® BUS FF LSZH S - HXSHXOR				
382200023	1 X 2 X 18	12.6	15.4	222
382200047	2 X 2 X 18	18.9	30.7	443
382200239	10 X 2 X 18	32.4	153.5	1,250
382200287	12 X 2 X 18	33.3	184.2	1,371
UNITRONIC® BUS FF LSZH SSA - HXSWAHXOR				
382200234	10 X 2 X 18	32.8	153.5	1,648
382200282	12 X 2 X 18	33.7	184.2	1,783
382200350	20 X 2 X 18	41.6	307.1	2,579
382200382	24 X 2 X 18	46.3	368.5	3,050
382200390	25 X 2 X 18	46.3	383.8	3,099
UNITRONIC® BUS FF LSZH SWA - HXSWAHXOR				
382200018	1 X 2 X 18	13.2	15.4	330
382200042	2 X 2 X 18	19.7	30.7	635
UNITRONIC® BUS FF LSZH UVAR - HXUVAROR				
382200019	1 X 2 X 18	8.6	15.4	90
382200043	2 X 2 X 18	14.7	30.7	220
382200235	10 X 2 X 18	27.4	153.5	785
382200283	12 X 2 X 18	28.3	184.2	893
382200351	20 X 2 X 18	35.8	307.1	1,418
382200383	24 X 2 X 18	39.9	368.5	1,685
382200391	25 X 2 X 18	39.9	383.8	1,733

Article number	Number of pairs and AWG size	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
UNITRONIC® BUS FF LSZH S UVAR - HXSHXUVAROR				
382200024	1 X 2 X 18	12.6	15.4	222
382200048	2 X 2 X 18	18.9	30.7	443
382200240	10 X 2 X 18	32.4	153.5	1,250
382200288	12 X 2 X 18	33.3	184.2	1,371
UNITRONIC® BUS FF LSZH SSA UVAR - HXSSAHXUVAROR				
382200068	3 X 2 X 18	20.7	46.1	768
382200092	4 X 2 X 18	22.2	61.4	874
382200116	5 X 2 X 18	24.2	76.8	1,012
382200140	6 X 2 X 18	26.2	92.1	1,148
382200236	10 X 2 X 18	32.8	153.5	1,648
382200284	12 X 2 X 18	33.7	184.2	1,783
382200352	20 X 2 X 18	41.6	307.1	2,579
382200384	24 X 2 X 18	46.3	368.5	3,050
382200392	25 X 2 X 18	46.3	383.8	3,099
UNITRONIC® BUS FF LSZH SWA UVAR - HXSWAHXUVAROR				
382200020	1 X 2 X 18	13.2	15.4	330
382200044	2 X 2 X 18	19.7	30.7	635

• If not otherwise specified, all values relating to the product are nominal values. Other value information, such as tolerances, for example, can be obtained on request where available and released for publishing.
• Photographs are not to scale and do not represent detailed images of the respective products.