



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 upto +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 31.25 kHz
- Temperature range**
-30°C to +90°C

Article number	Number of pairs and AWG size	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
382200017	1 X 2 X 18	8.6	orange	15.3	90.29
382200041	2 X 2 X 18	14.7	orange	30.7	220.39
382200065	3 X 2 X 18	15.7	orange	46.0	277.98
382200089	4 X 2 X 18	17.4	orange	61.4	349.18
382200113	5 X 2 X 18	19.2	orange	76.7	423.06
382200137	6 X 2 X 18	21.0	orange	92.1	489.75
382200161	7 X 2 X 18	21.0	orange	107.4	538.35
382200185	8 X 2 X 18	23.8	orange	122.8	625.54
382200209	9 X 2 X 18	26.0	orange	138.1	708.92
382200233	1 X 2 X 18	27.4	orange	153.5	785.19
382200257	1 X 2 X 18	27.4	orange	168.8	833.79
382200281	1 X 2 X 18	28.3	orange	184.2	892.85
382200293	1 X 2 X 18	30.0	orange	199.5	974.62
382200301	1 X 2 X 18	30.0	orange	214.9	1,023.21
382200309	1 X 2 X 18	31.7	orange	230.2	1,092.47
382200317	1 X 2 X 18	31.7	orange	245.6	1,141.07
382200325	1 X 2 X 18	33.6	orange	261.0	1,227.95
382200333	1 X 2 X 18	33.6	orange	276.3	1,276.54
382200341	1 X 2 X 18	33.6	orange	291.7	1,325.13
382200349	2 X 2 X 18	35.8	orange	307.0	1,417.87
382200357	2 X 2 X 18	35.8	orange	322.4	1,466.46
382200365	2 X 2 X 18	37.8	orange	337.7	1,541.48
382200373	2 X 2 X 18	37.8	orange	353.1	1,590.07
382200381	2 X 2 X 18	39.9	orange	368.4	1,684.69
382200389	2 X 2 X 18	39.9	orange	383.8	1,733.29
382200023	1 X 2 X 18	12.6	orange	15.3	222.32
382200047	2 X 2 X 18	18.9	orange	30.7	443.06
382200071	3 X 2 X 18	20.3	orange	46.0	532.69
382200095	4 X 2 X 18	21.8	orange	61.4	620.19
382200119	5 X 2 X 18	23.8	orange	76.7	728.52
382200143	6 X 2 X 18	25.8	orange	92.1	832
382200167	7 X 2 X 18	25.8	orange	107.4	880.59
382200191	8 X 2 X 18	28.8	orange	122.8	1,027.9
382200215	9 X 2 X 18	31.2	orange	138.1	1,158.18
382200239	10 X 2 X 18	32.4	orange	153.5	1,249.93
382200263	11 X 2 X 18	32.4	orange	168.8	1,298.53
382200287	12 X 2 X 18	33.3	orange	184.2	1,370.67
382200024	1 X 2 X 18	12.6	orange	15.3	222.32
382200048	2 X 2 X 18	18.9	orange	30.7	443.06
382200072	3 X 2 X 18	20.3	orange	46.0	532.69
382200096	4 X 2 X 18	21.8	orange	61.4	620.19
382200120	5 X 2 X 18	23.8	orange	76.7	728.52
382200144	6 X 2 X 18	25.8	orange	92.1	832

Article number	Number of pairs and AWG size	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
382200168	7 X 2 X 18	25.8	orange	107.4	880.59
382200192	8 X 2 X 18	28.8	orange	122.8	1,027.9
382200216	9 X 2 X 18	31.2	orange	138.1	1,158.18
382200240	10 X 2 X 18	32.4	orange	153.5	1,249.93
382200264	11 X 2 X 18	32.4	orange	168.8	1,298.53
382200288	12 X 2 X 18	33.3	orange	184.2	1,370.67
382200066	3 X 2 X 18	20.7	orange	46.0	767.97
382200090	4 X 2 X 18	22.2	orange	61.4	873.92
382200114	5 X 2 X 18	24.2	orange	76.7	1,012.14
382200138	6 X 2 X 18	26.2	orange	92.1	1,148.39
382200162	7 X 2 X 18	26.2	orange	107.4	1,196.98
382200186	8 X 2 X 18	29.2	orange	122.8	1,382.8
382200210	9 X 2 X 18	31.6	orange	138.1	1,549.36
382200234	10 X 2 X 18	32.8	orange	153.5	1,648.25
382200258	11 X 2 X 18	32.8	orange	168.8	1,696.85
382200282	12 X 2 X 18	33.7	orange	184.2	1,783.17
382200294	13 X 2 X 18	35.6	orange	199.5	1,935.08
382200302	14 X 2 X 18	35.6	orange	214.9	1,983.67
382200310	15 X 2 X 18	37.5	orange	230.2	2,128.19
382200318	16 X 2 X 18	37.5	orange	245.6	2,176.79
382200326	17 X 2 X 18	39.4	orange	261.0	2,319.99
382200334	18 X 2 X 18	39.4	orange	276.3	2,368.58
382200342	19 X 2 X 18	39.4	orange	291.7	2,417.18
382200350	20 X 2 X 18	41.6	orange	307.0	2,578.85
382200358	21 X 2 X 18	41.6	orange	322.4	2,627.44
382200366	22 X 2 X 18	44.0	orange	337.7	2,814.41
382200374	23 X 2 X 18	44.0	orange	353.1	2,863
382200382	24 X 2 X 18	46.3	orange	368.4	3,049.93
382200390	25 X 2 X 18	46.3	orange	383.8	3,098.52
382200068	3 X 2 X 18	20.7	orange	46.0	767.97
382200092	4 X 2 X 18	22.2	orange	61.4	873.92
382200116	5 X 2 X 18	24.2	orange	76.7	1,012.14
382200140	6 X 2 X 18	26.2	orange	92.1	1,148.39
382200164	7 X 2 X 18	26.2	orange	107.4	1,196.98
382200188	8 X 2 X 18	29.2	orange	122.8	1,382.8
382200212	9 X 2 X 18	31.6	orange	138.1	1,549.36
382200236	10 X 2 X 18	32.8	orange	153.5	1,648.25
382200260	11 X 2 X 18	32.8	orange	168.8	1,696.85
382200284	12 X 2 X 18	33.7	orange	184.2	1,783.17
382200296	13 X 2 X 18	35.6	orange	199.5	1,935.08
382200304	14 X 2 X 18	35.6	orange	214.9	1,983.67
382200312	15 X 2 X 18	37.5	orange	230.2	2,128.19
382200320	16 X 2 X 18	37.5	orange	245.6	2,176.79
382200328	17 X 2 X 18	39.4	orange	261.0	2,319.99
382200336	18 X 2 X 18	39.4	orange	276.3	2,368.58
382200344	19 X 2 X 18	39.4	orange	291.7	2,417.18
382200352	20 X 2 X 18	41.6	orange	307.0	2,578.85
382200360	21 X 2 X 18	41.6	orange	322.4	2,627.44
382200368	22 X 2 X 18	44.0	orange	337.7	2,814.41
382200376	23 X 2 X 18	44.0	orange	353.1	2,863
382200384	24 X 2 X 18	46.3	orange	368.4	3,049.93
382200392	25 X 2 X 18	46.3	orange	383.8	3,098.52
382200018	1 X 2 X 18	13.2	orange	15.3	330.01
382200042	2 X 2 X 18	19.7	orange	30.7	634.92
382200020	1 X 2 X 18	13.2	orange	15.3	330.01
382200044	2 X 2 X 18	19.7	orange	30.7	634.92
382200019	1 X 2 X 18	8.6	orange	15.3	90.29
382200043	2 X 2 X 18	14.7	orange	30.7	220.39
382200067	3 X 2 X 18	15.7	orange	46.0	277.98
382200091	4 X 2 X 18	17.4	orange	61.4	349.18
382200115	5 X 2 X 18	19.2	orange	76.7	423.06
382200139	6 X 2 X 18	21.0	orange	92.1	489.75
382200163	7 X 2 X 18	21.0	orange	107.4	538.35
382200187	8 X 2 X 18	23.8	orange	122.8	625.54
382200211	9 X 2 X 18	26.0	orange	138.1	708.92
382200235	10 X 2 X 18	27.4	orange	153.5	785.19
382200259	11 X 2 X 18	27.4	orange	168.8	833.79
382200283	12 X 2 X 18	28.3	orange	184.2	892.85
382200295	13 X 2 X 18	30.0	orange	199.5	974.62
382200303	14 X 2 X 18	30.0	orange	214.9	1,023.21
382200311	15 X 2 X 18	31.7	orange	230.2	1,092.47
382200319	16 X 2 X 18	31.7	orange	245.6	1,141.07
382200327	17 X 2 X 18	33.6	orange	261.0	1,227.95
382200335	18 X 2 X 18	33.6	orange	276.3	1,276.54
382200343	19 X 2 X 18	33.6	orange	291.7	1,325.13
382200351	20 X 2 X 18	35.8	orange	307.0	1,417.87
382200359	21 X 2 X 18	35.8	orange	322.4	1,466.46
382200367	22 X 2 X 18	37.8	orange	337.7	1,541.48
382200375	23 X 2 X 18	37.8	orange	353.1	1,590.07
382200383	24 X 2 X 18	39.9	orange	368.4	1,684.69
382200391	25 X 2 X 18	39.9	orange	383.8	1,733.29

Unless specified otherwise, the shown product values are nominal values at room temperature. You can receive further values, such as tolerances, upon request if they available and have been released for publication.

Photographs are not to scale and do not represent detailed images of the respective products.