



UNITRONIC® BUS FF-844 H1 C LSZH

FF-844 H1 installation cable with EMC and 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
- 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)
382200013	1 X 2 X 18	9.0	orange	15.3	123.41
382200037	2 X 2 X 18	15.0	orange	30.7	266.26
382200061	3 X 2 X 18	15.9	orange	46.0	325.75
382200085	4 X 2 X 18	17.6	orange	61.4	400.77
382200109	5 X 2 X 18	19.6	orange	76.7	509.03
382200133	6 X 2 X 18	21.4	orange	92.1	587.72
382200157	7 X 2 X 18	21.4	orange	107.4	632.94
382200181	8 X 2 X 18	24.3	orange	122.8	767.72
382200205	9 X 2 X 18	26.6	orange	138.1	858.15
382200229	10 X 2 X 18	27.9	orange	153.5	940.18
382200253	11 X 2 X 18	27.9	orange	168.8	985.41
382200277	12 X 2 X 18	28.8	orange	184.2	1,054.36
382200021	1 X 2 X 18	13.0	orange	15.3	259.3
382200045	2 X 2 X 18	19.4	orange	30.7	503.14
382200069	3 X 2 X 18	20.5	orange	46.0	583.71
382200093	4 X 2 X 18	22.0	orange	61.4	675.15
382200117	5 X 2 X 18	24.2	orange	76.7	820.66
382200141	6 X 2 X 18	26.2	orange	92.1	936.5
382200165	7 X 2 X 18	26.2	orange	107.4	981.72
382200189	8 X 2 X 18	29.3	orange	122.8	1,185.91
382200213	9 X 2 X 18	31.8	orange	138.1	1,317.56
382200237	10 X 2 X 18	32.9	orange	153.5	1,405.73
382200261	11 X 2 X 18	32.9	orange	168.8	1,450.96
382200285	12 X 2 X 18	34.0	orange	184.2	1,559.16
382200022	1 X 2 X 18	13.0	orange	15.3	259.3
382200046	2 X 2 X 18	19.4	orange	30.7	503.14
382200070	3 X 2 X 18	20.5	orange	46.0	583.71
382200094	4 X 2 X 18	22.0	orange	61.4	675.15
382200118	5 X 2 X 18	24.2	orange	76.7	820.66
382200142	6 X 2 X 18	26.2	orange	92.1	936.5
382200166	7 X 2 X 18	26.2	orange	107.4	981.72
382200190	8 X 2 X 18	29.3	orange	122.8	1,185.91
382200214	9 X 2 X 18	31.8	orange	138.1	1,317.56
382200238	10 X 2 X 18	32.9	orange	153.5	1,405.73
382200262	11 X 2 X 18	32.9	orange	168.8	1,450.96
382200286	12 X 2 X 18	34.0	orange	184.2	1,559.16
382200062	3 X 2 X 18	20.9	orange	46.0	822.43
382200086	4 X 2 X 18	22.4	orange	61.4	932.19
382200110	5 X 2 X 18	24.6	orange	76.7	1,110.86
382200134	6 X 2 X 18	26.6	orange	92.1	1,259.42
382200158	7 X 2 X 18	26.6	orange	107.4	1,304.64
382200182	8 X 2 X 18	29.7	orange	122.8	1,541.46
382200206	9 X 2 X 18	32.2	orange	138.1	1,718.55

Article number	Number of pairs and AWG size	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
382200230	10 X 2 X 18	33.3	orange	153.5	1,819.92
382200254	11 X 2 X 18	33.3	orange	168.8	1,865.15
382200278	12 X 2 X 18	34.6	orange	184.2	2,000.81
382200064	3 X 2 X 18	20.9	orange	46.0	822.43
382200088	4 X 2 X 18	22.4	orange	61.4	932.19
382200112	5 X 2 X 18	24.6	orange	76.7	1,110.86
382200136	6 X 2 X 18	26.6	orange	92.1	1,259.42
382200160	7 X 2 X 18	26.6	orange	107.4	1,304.64
382200184	8 X 2 X 18	29.7	orange	122.8	1,541.46
382200208	9 X 2 X 18	32.2	orange	138.1	1,718.55
382200232	10 X 2 X 18	33.3	orange	153.5	1,819.92
382200256	11 X 2 X 18	33.3	orange	168.8	1,865.15
382200280	12 X 2 X 18	34.6	orange	184.2	2,000.81
382200014	1 X 2 X 18	13.6	orange	15.3	373.69
382200038	2 X 2 X 18	20.0	orange	30.7	689.49
382200016	1 X 2 X 18	13.6	orange	15.3	373.69
382200040	2 X 2 X 18	20.0	orange	30.7	689.49
382200015	1 X 2 X 18	9.0	orange	15.3	123.41
382200039	2 X 2 X 18	15.0	orange	30.7	266.26
382200063	3 X 2 X 18	15.9	orange	46.0	325.75
382200087	4 X 2 X 18	17.6	orange	61.4	400.77
382200111	5 X 2 X 18	19.6	orange	76.7	509.03
382200135	6 X 2 X 18	21.4	orange	92.1	587.72
382200159	7 X 2 X 18	21.4	orange	107.4	632.94
382200183	8 X 2 X 18	24.3	orange	122.8	767.72
382200207	9 X 2 X 18	26.6	orange	138.1	858.15
382200231	10 X 2 X 18	27.9	orange	153.5	940.18
382200255	11 X 2 X 18	27.9	orange	168.8	985.41
382200279	12 X 2 X 18	28.8	orange	184.2	1,054.36

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.