

# UNITRONIC® BUS FF-844 H1 C PVC

FF-844 H1 installation cable with EMC and FR-LSH 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
- FRLS Property (only For FRLS Outer Sheath)
- Oxygen Index(Min.) : >29% as per ASTM D 2863
- Temp. Index (Min.) : >250 Deg C as per ASTM D 2863
- HCL gas emission (Max.): 20% By weight; Smoke Density : Min. Visibility 40% 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 : Special PVC, flameretardant low smoke low halogen, orange
- Mechanical Protection : SSA -Steel strip armour / SWA-Steel wire armour / SY-Steel Braid
- Outer Sheath : Special PVC, flameretardant low smoke low halogen 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 = 10 X OD  
Armoured = 18 X OD
- 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)
<b>UNITRONIC® BUS FF PVC - CYC3OR</b>				
382200001	1 X 2 X 18	9.0	15.4	123
382200025	2 X 2 X 18	15.0	30.7	266
382200217	10 X 2 X 18	27.9	153.5	940
382200265	12 X 2 X 18	28.8	184.2	1,054
<b>UNITRONIC® BUS FF PVC S - CYC3SYC3OR</b>				
382200009	1 X 2 X 18	13.0	15.4	259
382200033	2 X 2 X 18	19.4	30.7	503
382200225	10 X 2 X 18	32.9	153.5	1,406
382200273	12 X 2 X 18	34.0	184.2	1,559
<b>UNITRONIC® BUS FF PVC SSA - CYC3SSAYC3OR</b>				
382200218	10 X 2 X 18	33.3	153.5	1,820
382200266	12 X 2 X 18	34.6	184.2	2,001
<b>UNITRONIC® BUS FF PVC SWA - CYC3SWAYC3OR</b>				
382200002	1 X 2 X 18	13.6	15.4	374
382200026	2 X 2 X 18	20.0	30.7	689
<b>UNITRONIC® BUS FF PVC UVAR - CYC3UVAROR</b>				
382200003	1 X 2 X 18	9.0	15.4	123
382200027	2 X 2 X 18	15.0	30.7	266
382200267	10 X 2 X 18	27.9	153.5	940
382200038	12 X 2 X 18	28.8	184.2	1,054

Article number	Number of pairs and AWG size	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>UNITRONIC® BUS FF PVC S UVAR - CYC3SYC3UVAROR</b>				
382200010	1 X 2 X 18	13.0	15.4	259
382200034	2 X 2 X 18	19.4	30.7	503
382200058	3 X 2 X 18	20.5	46.1	584
382200082	4 X 2 X 18	22.0	61.4	675
382200106	5 X 2 X 18	24.2	76.8	821
382200130	6 X 2 X 18	26.2	92.1	937
382200154	7 X 2 X 18	26.2	107.5	982
382200178	8 X 2 X 18	29.3	122.8	1186
382200202	9 X 2 X 18	31.8	138.2	1318
382200226	10 X 2 X 18	32.9	153.5	1406
382200250	11 X 2 X 18	32.9	168.9	1451
382200274	12 X 2 X 18	34.0	184.2	1559
<b>UNITRONIC® BUS FF PVC SSA UVAR - CYC3SSAYC3UVAROR</b>				
382200052	3 X 2 X 18	20.9	46.1	822
382200076	4 X 2 X 18	22.4	61.4	932
382200100	5 X 2 X 18	24.6	76.8	1111
382200124	6 X 2 X 18	26.6	92.1	1259
382200148	7 X 2 X 18	26.6	107.5	1305
382200172	8 X 2 X 18	29.7	122.8	1541
382200196	9 X 2 X 18	32.2	138.2	1719
382200220	10 X 2 X 18	33.3	153.5	1820
382200244	11 X 2 X 18	33.3	168.9	1865
382200268	12 X 2 X 18	34.6	184.2	2001
<b>UNITRONIC® BUS FF PVC SWA UVAR - CYC3SWAYC3UVAROR</b>				
382200004	1 X 2 X 18	13.6	15.4	374
382200028	2 X 2 X 18	20.0	30.7	689

- 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.