

UNITRONIC® BUS FF-844 H1 PVC

FF-844 H1 installation cable with 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, flame retardant 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
- 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)	Copper index (kg/km)	Weight (kg/km)
UNITRONIC® BUS FF PVC - YC3OR				
382200005	1 X 2 X 18	8.6	15.4	90
382200029	2 X 2 X 18	14.7	30.7	220
382200221	10 X 2 X 18	27.4	153.5	785
382200345	20 X 2 X 18	35.8	307.1	1,418
382200377	24 X 2 X 18	39.9	368.5	1,685
UNITRONIC® BUS FF PVC S - YC3SYC3OR				
382200011	1 X 2 X 18	12.6	15.4	222
382200035	2 X 2 X 18	18.9	30.7	443
382200227	10 X 2 X 18	32.4	153.5	1,250
UNITRONIC® BUS FF PVC SSA - YC3SSAYC3OR				
382200222	10 X 2 X 18	32.8	153.5	1,648
382200346	20 X 2 X 18	41.6	307.1	2,579
382200378	24 X 2 X 18	46.3	368.5	3,050
UNITRONIC® BUS FF PVC SWA - YC3SWAYC3OR				
382200006	1 X 2 X 18	13.2	15.4	330
382200030	2 X 2 X 18	19.7	30.7	635
UNITRONIC® BUS FF PVC UVAR - YC3UVAROR				
382200007	1 X 2 X 18	8.6	15.4	90
382200031	2 X 2 X 18	14.7	30.7	220
382200223	10 X 2 X 18	27.4	153.5	785
382200347	20 X 2 X 18	35.8	307.1	1,418
382200379	24 X 2 X 18	39.9	368.5	1,685
UNITRONIC® BUS FF PVC S UVAR - YC3SYC3UVAROR				
382200012	1 X 2 X 18	12.6	15.4	222
382200036	2 X 2 X 18	18.9	30.7	443
382200228	10 X 2 X 18	32.4	153.5	1,250

Article number	Number of pairs and AWG size	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
UNITRONIC® BUS FF PVC SSA UVAR - YC3SSAYC3UVAROR				
382200056	3 X 2 X 18	20.7	46.1	768
382200080	4 X 2 X 18	22.2	61.4	874
382200104	5 X 2 X 18	24.2	76.8	1,012
382200128	6 X 2 X 18	26.2	92.1	1,148
382200152	7 X 2 X 18	26.2	107.5	1,197
382200176	8 X 2 X 18	29.2	122.9	1,381
382200200	9 X 2 X 18	31.6	138.2	1,549
382200224	10 X 2 X 18	32.8	153.5	1,648
382200248	11 X 2 X 18	32.8	168.9	1,697
382200272	12 X 2 X 18	33.7	184.3	1,783
382200316	16 X 2 X 18	37.5	245.7	2,177
382200348	20 X 2 X 18	41.6	307.1	2,579
382200356	21 X 2 X 18	41.6	322.4	2,627
382200364	22 X 2 X 18	44.0	337.8	2,814
382200372	23 X 2 X 18	44.0	353.1	2,863
382200380	24 X 2 X 18	46.3	368.5	3,050
382200388	25 X 2 X 18	46.3	383.8	3,099
UNITRONIC® BUS FF PVC SWA UVAR - YC3SWAYC3UVAROR				
382200008	1 X 2 X 18	13.2	15.4	330
382200032	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.