

# UNITRONIC® BUS FF



**Info**

- FOUNDATION™ Fieldbus cable is suitable for data communication network for industrial process control instruments

**Application range**

- Stationary application
- Indoor / outdoor applications

**Approvals (Norm references)**



- Unarmoured version: UL AWM Style 2464 and CMX rated

**Product Make-up**

**For RE-2X(ST)Y :**

- Stranded bare annealed copper wires
- Cross-link polyethylene insulation
- Cores twisted into pair
- Al-My pair shielding + tinned copper drain wire

**Note:** 2 - 4 pairs with additional overall shielding of Al-My + tinned copper drain wire.

- PVC outer sheath - Flame retardant, orange

**For RE-2X(ST)CY :**

- Stranded bare annealed copper wires
- Cross-link polyethylene insulation
- Cores twisted into pair
- Al-My pair shielding + tinned annealed copper drain wire
- Note:** 2 - 4 pairs with additional overall shielding of Al-My + tinned copper drain wire.
- Tinned copper wire braiding
- PVC outer sheath - Flame retardant, orange

**Technical data**

- Core identification code**  
see table below  
(Note: for multipair cable, blue colour core has number marking)
- Mutual capacitance**  
C/C: max. 65 nF/km  
C/S: max. 125 nF/km
- Peak operating voltage**  
300 V (not for power applications)
- Specific insulation resistance**  
> 20 MOhm x km
- Minimum bending radius**  
10 x cable diameter (Unarmoured version)
- Test voltage**  
1500 V
- Temperature range**  
-30°C to +80°C
- Characteristic impedance**  
100 +/- 20 Ohm at 31.25 kHz

Article number	Number of pairs and AWG per conductor	Outer diameter (mm)	Core insulation colour	Outer sheath colour	Copper index (kg/km)	Weight (kg/km)
<b>RE-2X(ST)Y</b>						
3804881	1 x 2 x 18 AWG	7.8	BU/OG	OG	20.5	67
3804881A	1 x 2 x 18 AWG	7.8	BU/BN	OG	20.5	67
3804882	2 x 2 x 18 AWG	11.8	BU/OG	OG	45.9	109.8
3804882A	2 x 2 x 18 AWG	11.8	BU/BN	OG	45.9	109.8
3804883	3 x 2 x 18AWG	13.6	BU/OG	OG	66.4	151.8
3804883A	3 x 2 x 18AWG	13.6	BU/BN	OG	66.4	151.8
3804884	4 x 2 x 18AWG	15.3	BU/OG	OG	87.0	180.5
3804884A	4 x 2 x 18 AWG	15.3	BU/BN	OG	87.0	180.5
3804886	1 x 2 x 16 AWG	9.4	BU/OG	OG	32.4	99
3804886A	1 x 2 x 16AWG	9.4	BU/BN	OG	32.4	99
3804887	2 x 2 x 16AWG	14.8	BU/OG	OG	69.9	155.2
3804887A	2 x 2 x 16AWG	14.8	BU/BN	OG	69.9	155.2
3804888	3 x 2 x 16 AWG	16.7	BU/OG	OG	102.3	214.2
3804888A	3 x 2 x 16 AWG	16.7	BU/BN	OG	102.3	214.2
3804889	4 x 2 x 16 AWG	19.2	BU/OG	OG	134.7	274.7
3804889A	4 x 2 x 16 AWG	19.2	BU/BN	OG	134.7	274.7
<b>RE-2X(ST)CY</b>						
3804901	1 x 2 x 18AWG	7.9	BU/OG	OG	40.0	83.4
3804901A	1 x 2 x 18AWG	7.9	BU/BN	OG	40.0	83.4
3804902	2 x 2 x 18AWG	10.8	BU/OG	OG	70.5	124.7
3804902A	2 x 2 x 18AWG	10.8	BU/BN	OG	70.5	124.7
3804903	3 x 2 x 18AWG	12.7	BU/OG	OG	89.6	162.3
3804903A	3 x 2 x 18AWG	12.7	BU/BN	OG	89.6	162.3
3804904	4 x 2 x 18AWG	14.7	BU/OG	OG	114.8	197
3804904A	4 x 2 x 18AWG	14.7	BU/BN	OG	114.8	197
3804906	1 x 2 x 16AWG	9.9	BU/OG	OG	66.7	125.1
3804906A	1 x 2 x 16AWG	9.9	BU/BN	OG	66.7	125.1
3804907	2 x 2 x 16AWG	13.8	BU/OG	OG	105.2	191
3804907A	2 x 2 x 16AWG	13.8	BU/BN	OG	105.2	191
3804908	3 x 2 x 16AWG	16.2	BU/OG	OG	142.3	249
3804908A	3 x 2 x 16AWG	16.2	BU/BN	OG	142.3	249
3804909	4 x 2 x 16AWG	18.5	BU/OG	OG	174.8	303.7
3804909A	4 x 2 x 16AWG	18.5	BU/BN	OG	174.8	303.7

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

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