



Info

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

Application range

- Stationary application
- Indoor / outdoor applications
- Direct burial (Armoured version)

Approvals (Norm references)



- Unarmoured version: UL AWM Style 2464 and CMX rated

Product Make-up

- **For RE-2X(ST)YRY (SWA) :**
 - 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.
 - PVC bedding - Flame retardant, orange
 - Steel wire armoured (SWA)
 - PVC outer sheath - Flame retardant, orange or black

● **For RE-2X(ST)CYRY (SWA) :**

- 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 bedding - Flame retardant, orange
 - Steel wire armoured (SWA)
 - PVC outer sheath - Flame retardant, orange or black

UNITRONIC® BUS FF SWA



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**
12 x cable diameter (Armoured version)
- Test voltage**
1500 V
- Characteristic impedance**
(at 31.25 kHz): 100 ± 20 Ohm
- Temperature range**
-30°C to +80°C

Article number	Number of pairs and AWG per conductor	Outer diameter (mm)	Outer sheath colour	Core insulation colour	Copper index (kg/km)	Weight (kg/km)
RE-2X(ST)YRY (SWA)						
3804891	1 x 2 x 18 AWG	12.5	OG	BU/OG	20.5	290.6
3804891A	1 x 2 x 18 AWG	12.5	BK	BU/BN	20.5	290.6
3804891B	1 x 2 x 18 AWG	12.5	OG	BU/OG	20.5	290.6
3804891C	1 x 2 x 18 AWG	12.5	BK	BU/BN	20.5	290.6
3804892	2 x 2 x 18 AWG	16.3	OG	BU/OG	45.9	570
3804892A	2 x 2 x 18 AWG	16.3	BK	BU/BN	45.9	570
3804892B	2 x 2 x 18 AWG	16.3	OG	BU/OG	45.9	570
3804892C	2 x 2 x 18 AWG	16.3	BK	BU/BN	45.9	570
3804893	3 x 2 x 18 AWG	19.1	OG	BU/OG	66.4	636
3804893A	3 x 2 x 18 AWG	19.1	BK	BU/BN	66.4	636
3804893B	3 x 2 x 18 AWG	19.1	OG	BU/OG	66.4	636
3804893C	3 x 2 x 18 AWG	19.1	BK	BU/BN	66.4	636
3804894	4 x 2 x 18 AWG	21.3	OG	BU/OG	87	781
3804894A	4 x 2 x 18 AWG	21.3	BK	BU/BN	87	781
3804894B	4 x 2 x 18 AWG	21.3	OG	BU/OG	87	781
3804894C	4 x 2 x 18 AWG	21.3	BK	BU/BN	87	781
3804896	1 x 2 x 16 AWG	14.5	OG	BU/OG	32.4	332.1
3804896A	1 x 2 x 16 AWG	14.5	BK	BU/OG	32.4	332.1
3804896B	1 x 2 x 16 AWG	14.5	OG	BU/BN	32.4	332.1
3804896C	1 x 2 x 16 AWG	14.5	BK	BU/BN	32.4	332.1
3804897	2 x 2 x 16 AWG	19.3	OG	BU/OG	69.9	632.1
3804897A	2 x 2 x 16 AWG	19.3	BK	BU/OG	69.9	632.1
3804897B	2 x 2 x 16 AWG	19.3	OG	BU/BN	69.9	632.1
3804897C	2 x 2 x 16 AWG	19.3	BK	BU/BN	69.9	632.1
3804898	3 x 2 x 16 AWG	22.8	OG	BU/OG	102.3	991.7
3804898A	3 x 2 x 16 AWG	22.8	BK	BU/OG	102.3	991.7
3804898B	3 x 2 x 16 AWG	22.8	OG	BU/BN	102.3	991.7
3804898C	3 x 2 x 16 AWG	22.8	BK	BU/BN	102.3	991.7
3804899	4 x 2 x 16 AWG	25.1	OG	BU/OG	134.7	1163
3804899A	4 x 2 x 16 AWG	25.1	BK	BU/OG	134.7	1163
3804899B	4 x 2 x 16 AWG	25.1	OG	BU/BN	134.7	1163
3804899C	4 x 2 x 16 AWG	25.1	BK	BU/BN	134.7	1163
RE-2X(ST)CYRY (SWA)						
3804911	1 x 2 x 18 AWG	12.5	OG	BU/OG	40	307
3804911A	1 x 2 x 18 AWG	12.5	BK	BU/OG	40	307
3804911B	1 x 2 x 18 AWG	12.5	OG	BU/BN	40	307
3804911C	1 x 2 x 18 AWG	12.5	BK	BU/BN	40	307
3804912	2 x 2 x 18 AWG	16.3	OG	BU/OG	70.5	585
3804912A	2 x 2 x 18 AWG	16.3	BK	BU/OG	70.5	585
3804912B	2 x 2 x 18 AWG	16.3	OG	BU/BN	70.5	585
3804912C	2 x 2 x 18 AWG	16.3	BK	BU/BN	70.5	585
3804913	3 x 2 x 18 AWG	19.1	OG	BU/OG	89.6	645
3804913A	3 x 2 x 18 AWG	19.1	BK	BU/OG	89.6	645
3804913B	3 x 2 x 18 AWG	19.1	OG	BU/BN	89.6	645
3804913C	3 x 2 x 18 AWG	19.1	BK	BU/BN	89.6	645
3804914	4 x 2 x 18 AWG	21.3	OG	BU/OG	114.8	798
3804914A	4 x 2 x 18 AWG	21.3	BK	BU/OG	114.8	798
3804914B	4 x 2 x 18 AWG	21.3	OG	BU/BN	114.8	798
3804914C	4 x 2 x 18 AWG	21.3	BK	BU/BN	114.8	798
3804916	1 x 2 x 16 AWG	14.5	OG	BU/OG	66.7	358.2
3804916A	1 x 2 x 16 AWG	14.5	BK	BU/OG	66.7	358.2
3804916B	1 x 2 x 16 AWG	14.5	OG	BU/BN	66.7	358.2
3804916C	1 x 2 x 16 AWG	14.5	BK	BU/BN	66.7	358.2
3804917	2 x 2 x 16 AWG	19.3	OG	BU/OG	105.2	667.9
3804917A	2 x 2 x 16 AWG	19.3	BK	BU/OG	105.2	667.9
3804917B	2 x 2 x 16 AWG	19.3	OG	BU/BN	105.2	667.9
3804917C	2 x 2 x 16 AWG	19.3	BK	BU/BN	105.2	667.9
3804918	3 x 2 x 16 AWG	22.8	OG	BU/OG	142.3	1026.5
3804918A	3 x 2 x 16 AWG	22.8	BK	BU/OG	142.3	1026.5
3804918B	3 x 2 x 16 AWG	22.8	OG	BU/BN	142.3	1026.5
3804918C	3 x 2 x 16 AWG	22.8	BK	BU/BN	142.3	1026.5
3804919	4 x 2 x 16 AWG	25.1	OG	BU/OG	174.8	1192.1
3804919A	4 x 2 x 16 AWG	25.1	BK	BU/OG	174.8	1192.1
3804919B	4 x 2 x 16 AWG	25.1	OG	BU/BN	174.8	1192.1
3804919C	4 x 2 x 16 AWG	25.1	BK	BU/BN	174.8	1192.1

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