

reel *fast*®

Bulk Wiring Control Cable

- Spooled in 30, 100, or 200 meter lengths in self-feeding packages
- 2-Wire Analog or HART, Additional Analog or Discrete, NAMUR and *extremelife*® cables to choose from
- ITC, PLC, Exposed Run/Direct Burial, Marine Shipboard and more



2-Wire Analog or HART Control Circuit *reelfast*® Cable Selection Guide

Diagram A



Diagram B

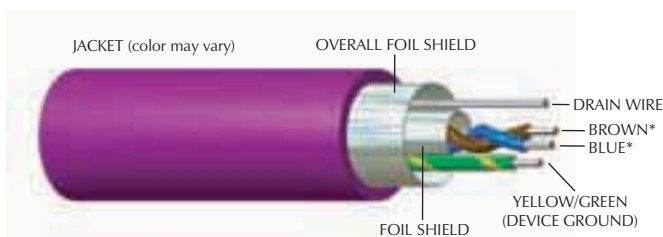
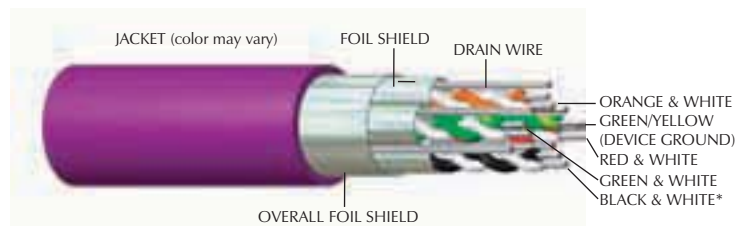


Diagram C



Diagram D



Up to 8 STP. See page F2 for details.

* Conductor colors may vary. See table on page K240 for details.
STP = Shielded Twisted Pair
Note: See page K240 for corresponding bulk cable specifications.



2-Wire Analog or HART Control Circuit *reelfast*® Cable Selection Guide

Diagram	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Conductor Colors	Shield	UL	CsA	Type	MSHA	Temp. (°C)
A	2	18	PVC Plum 300 V 7.2 mm OD	RF51026-30M RF51026-100M RF51026-200M	5 17 34	1 pair = (BU, BN), Drain (20)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
B	3	16	PVC Plum 300 V 7.6 mm OD	RF51098-30M RF51098-100M RF51098-200M	7 22 44	1 pair = (WH, BK), GN, Drain (18)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
B	3	16	PVC Blue 300 V 7.6 mm OD	RF51327-30M RF51327-100M RF51327-200M	7 22 44	1 pair = (WH, BK), GN, Drain (18)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
B	3	18	PVC Blue 300 V 7.2 mm OD	RF51330-30M RF51330-100M RF51330-200M	6 19 38	1 pair = (BU, BN), GN/YE, Drain (20)	STP Foil/Drain	*	*	ITC-Exposed Run/Direct Burial/PLTC		105° -25°
C	3	18	PVC ARMOR Plum 300 V 13.5 mm OD	RF50947-30M RF50947-100M RF50947-200M	14 47 94	1 pair = (BU, BN), GN/YE, Drain (20)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
B	3	18	PVC Plum 300 V 7.2 mm OD	RF50949-30M RF50949-100M RF50949-200M	6 19 38	1 pair = (BU, BN), GN/YE, Drain (20)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
B	3	18	PVC Plum 300 V 7.2 mm OD	RF51162-30M RF51162-100M RF51162-200M	6 19 38	1 pair = (BU, BN), GN/YE, Drain (20)	STP Foil/Drain	*	*	ITC-Exposed Run/Direct Burial/PLTC		105° -25°
B	3	18	PVC Plum 300 V 7.2 mm OD	RF51124-30M RF51124-100M RF51124-200M	6 19 38	1 pair = (RD, BK), GN/YE, Drain (20)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
B	3	18	PVC BU 300 V 7.2 mm OD	RF50950-30M RF50950-100M RF50950-200M	6 19 38	1 pair = (BU, BN), GN/YE, Drain (20)	Foil/Drain	*	*	ITC/PLTC		105° -25°
C	3	22	PVC ARMOR Plum 11.2 mm OD	RF50993-30M RF50993-100M RF50993-200M	11 34 68	1 pair = (BU, BN), GN/YE, Drain (24)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
D	9	18 22	PVC Plum 300 V 10 mm OD	RF51229-30M RF51229-100M RF51229-200M	9 30 60	4 pair/22 AWG = (WH/BK, BK/WH), (WH/GN, GN/WH), (WH/RD, RD/WH), (WH/OG, OG/WH), 18 AWG=GN/YE, Drains (5x22)	STP Foil/Drain	*	*	ITC-Exposed Run/Direct Burial/PLTC		105° -25°
D	9	18 22	PVC Plum 300 V 10 mm OD	RF50960-30M RF50960-100M RF50960-200M	9 30 60	4 pair/22 AWG = (WH/BK, BK/WH), (WH/GN, GN/WH), (WH/RD, RD/WH), (WH/OG, OG/WH), 18 AWG = GN/YE, Drains (5x22)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
D	17	18 22	PVC Plum 300 V 12 mm OD	RF50959-30M RF50959-100M RF50959-200M	14 45 90	8 pair/22 AWG = (WH/BK, BK/WH), (WH/GN, GN/WH), (WH/RD, RD/WH), (WH/OG, OG/WH), (WH/BU, BU/WH), (WH/BN, BN/WH), (WH/YE, YE/WH), (WH/VT, VT/WH), 18 AWG = GN/YE, Drains (9x22)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
D	17	18 22	PVC Plum 300 V 12.7 mm OD	RF51230-30M RF51230-100M RF51230-200M	17 55 110	8 pair/22 AWG = (WH/BK, BK/WH), (WH/GN, GN/WH), (WH/RD, RD/WH), (WH/OG, OG/WH), (WH/BU, BU/WH), (WH/BN, BN/WH), (WH/YE, YE/WH), (WH/VT, VT/WH), 18 AWG = GN/YE, Drains (9x22)	STP Foil/Drain	*	*	ITC-Exposed Run/Direct Burial/PLTC		105° -25°
D	8	22	PVC BU 300 V 10 mm OD	RF50978-30M RF50978-100M RF50978-200M	9 30 60	4 Pair = (WH/BK, BK/WH), (WH/GN, GN/WH), (WH/RD, RD/WH), (WH/OG, OG/WH), GN/YE, Drain (22)	4 STP Foil/Drain	*	*	ITC/PLTC		105° -25°
D	16	22	PVC BU 300 V 12 mm OD	RF50977-30M RF50977-100M RF50977-200M	14 45 90	8 Pair = (WH/BK, BK/WH), (WH/GN, GN/WH), (WH/RD, RD/WH), (WH/OG, OG/WH), (WH/BU, BU/WH), (WH/BN, BN/WH), (WH/YE, YE/WH), (WH/VT, VT/WH), GN/YE, Drain (22)	8 STP Foil/Drain	*	*	ITC/PLTC		105° -25°

STP = Shielded Twisted Pair.

Additional Analog or Discrete Control Circuit *reelfast*[®] Cable Selection Guide

Diagram A

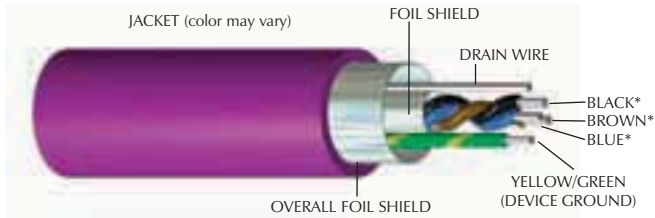


Diagram B

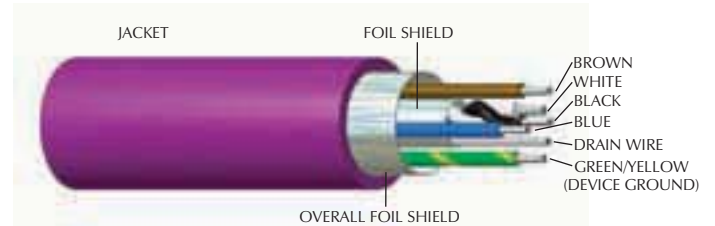


Diagram C

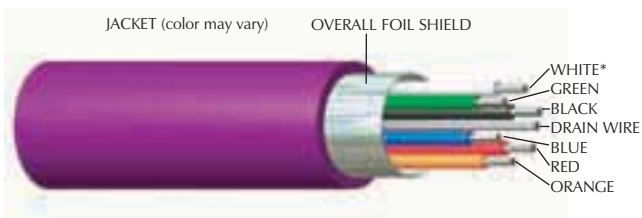


Diagram D

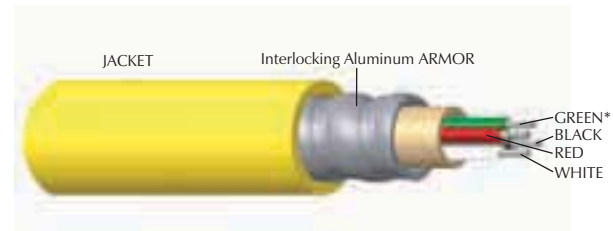
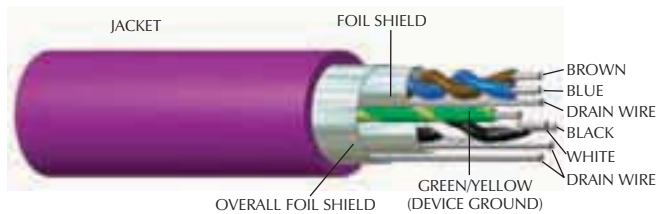


Diagram E










* Conductor colors may vary. See table on page K240 for details.
 STP = Shielded Twisted Pair
 Note: See page K240 for corresponding bulk cable specifications.

Additional Analog or Discrete Control Circuit *reelfast*® Cable Selection Guide

Photo/Diagram	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Conductor Colors	Shield	UL	CSA	Type	MSHA	Temp.
	3	18	PVC YE 300 V 7.2 mm OD	RF50880-30M RF50880-100M RF50880-200M	6 18 35	BN, BU, GN/YE		*	*	ITC/PLTC		105° -25°
	3	18	PVC GY 300 V 7.2 mm OD	RF51187-30M RF51187-100M RF51187-200M	6 18 36	BK, WH, GN		*	*	ITC/PLTC		105° -25°
A	4	16	PVC Plum 300 V 10.4 mm OD	RF51099-30M RF51099-100M RF51099-200M	10 32 64	Triad = (WH, RD, BK), GN, Drain (18)	Triad Foil/Drain	*	*	ITC/PLTC		105° -25°
A	4	16	PVC BU 300 V 10.4 mm OD	RF51328-30M RF51328-100M RF51328-200M	10 32 64	Triad = (WH, RD, BK), GN, Drain (18)	Triad Foil/Drain	*	*	ITC/PLTC		105° -25°
A	4	18	PVC Plum 300 V 8.1 mm OD	RF51108-30M RF51108-100M RF51108-200M	7 21 42	Triad = (BU, BN, BK), GN/YE, Drain (20)	Triad Foil/Drain	*	*	ITC/PLTC		105° -25°
D	4	18	ARMOR PVC YE 600 V 13.5 mm OD	RF51041-30M RF51041-100M RF51041-200M	11 36 71	BK, WH, RD, GN		*	*	UL 1569 MC, ITC/PLTC		105° -25°
	4	22	PVC GY 300 V 5.2 mm OD	RF50698-30M RF50698-100M RF50698-200M	3 9 18	BN, WH, BU, BK		*	*	ITC/PLTC		105° -25°
C	4	22	PUR BK 300 V 6.9 mm OD	RF51095-30M RF51095-100M RF51095-200M	4 14 28	BN, WH, BU, BK, Drain (22)	Foil/Drain	*	*	ITC/PLTC		105° -60°
B	5	16	PVC Plum 300 V 12.5 mm OD	RF51025-30M RF51025-100M RF51025-200M	15 49 98	1 pair = (WH, BK), BU, BN, GN/YE, Drain (18)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
	5	18	PVC GY 300 V 7.2 mm OD	RF50972-30M RF50972-100M RF50972-200M	7 21 42	BK, WH, GY, BN, BU		*	*	ITC/PLTC		105° -25°
E	5	18	PVC Plum 300 V 7.9 mm OD	RF51318-30M RF51318-100M RF51318-200M	8 26 53	2 pair = (BK, WH), (BU, BN), GN/YE, Drain (20)	STP Foil/Drain	*	*	ITC-Exposed Run/Direct Burial/PLTC		105° -25°
C	6	16	PVC BU 300 V 9.6 mm OD	RF50329-30M RF50329-100M RF50329-200M	11 36 72	WH, RD, GN, OG, BK, BU, Drain (18)	Foil/Drain	*	*	ITC/PLTC		105° -25°
	6	16	PVC YE 600 V 9.6 mm OD	RF51030-30M RF51030-100M RF51030-200M	11 34 68	BK, WH, RD, OG, BU, GN		*	*	ITC/PLTC		105° -25°
	6	16	PVC Plum 300 V 11.2 mm OD	RF51233-30M RF51233-100M RF51233-200M	13 45 90	WH, RD, GN, OG, BK, BU		*	*	ITC-Exposed Run/Direct Burial/PLTC		105° -25°
C	6	16	PVC Plum 300 V 9.6 mm OD	RF51219-30M RF51219-100M RF51219-200M	11 36 72	WH, RD, GN, OG, BK, BU, Drain (18)	Foil/Drain	*	*	ITC/PLTC		105° -25°
C	11	18	PVC YE 300 V 10 mm OD	RF51088-30M RF51088-100M RF51088-200M	13 42 84	GN, YE, GY, PK, RD, BK, VT, BU, WH, BN, GN/YE, Drain (20)	Foil/Drain	*	*	ITC/PLTC		105° -25°

STP = Shielded Twisted Pair.

Intrinsically Safe NAMUR Circuit *reelfast*® Cable Selection Guide

Photo	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Conductor Colors	Shield	UL	CsA	Type	MSHA	Temp. (°C)
	2	20	PVC BU 300 V 5.15 mm OD	RF20003-30M RF20003-100M RF20003-200M	3 10 19	BN, BU		*	*	AWM 2517	*	105° -50°
	2	20	PUR BU 300 V 5.2 mm OD	RF50657-30M RF50657-100M RF50657-200M	3 8 16	BN, BU		*	*	AWM 21002		105° -60°
	4	22	PVC BU 300 V 5.2 mm OD	RF50598-30M RF50598-100M RF50598-200M	3 9 18	BN, WH, BU, BK		*	*	AWM 2517	*	105° -50°
	5	22	PVC BU 300 V 6.8 mm OD	RF50767-30M RF50767-100M RF50767-200M	5 15 29	WH, BK, GN, RD, OG		*	*	PLTC	*	105° -30°
	5	24	PUR BU 300 V 5.7 mm OD	RF50928-30M RF50928-100M RF50928-200M	4 11 20	BU, OG, RD, YE, BK, Drain (24)	Foil/Drain	*	*	AWM 21002		105° -60°
	9	22	PVC BU 300 V 6.9 mm OD	RF50741-30M RF50741-100M RF50741-200M	5 13 26	WH, BK, GN, RD, OG, BU, BN, YE, VT		*	*	PLTC		105° -25°
	16	22	PVC BU 300 V 8.3 mm OD	RF50744-30M RF50744-100M RF50744-200M	8 25 50	WH, BK, GN, RD, OG, BU, BN, YE, VT, GY, PK, TN, WH/BK, WH/GN, WH/RD, WH/BU		*	*	PLTC		105° -25°



Notes:

Control *extremelife*[®] *reelfast*[®] Cable Selection Guide

- UL 1309 Approved
- Marine Shipboard
- ABS Approved

Diagram A

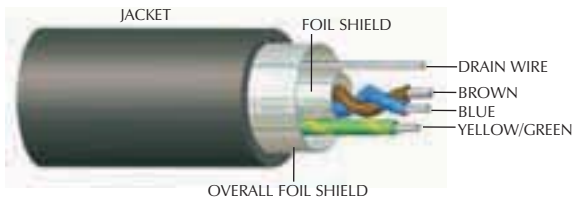


Diagram B

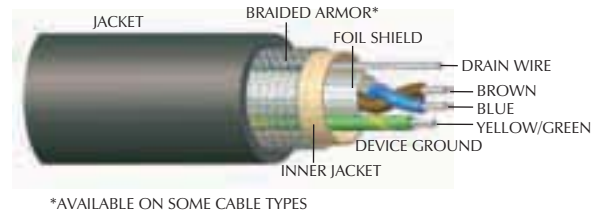


Diagram C

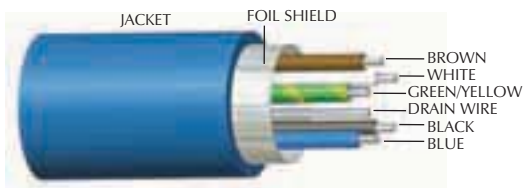


Diagram D

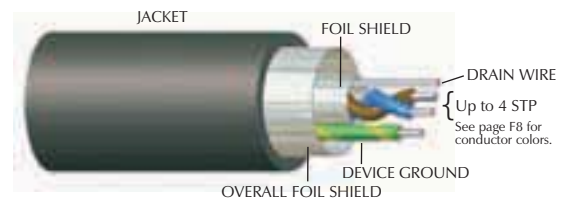


Diagram E



STP = Shielded Twisted Pair

Note: See page K244 for corresponding bulk cable specifications.



Control *extremelife*® *reelfast*® Cable Selection Guide

Diagram	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Conductor Colors	Shield	UL	CSA	Type	Temp. (°C)
A	3	18	PVC BK 300 V 8.4 mm OD <i>extremelife</i> ™-25	RF51180-30M RF51180-100M RF51180-200M	7 21 42	1 pair = (BU, BN), GN/YE, Drain (20)	STP Foil/Drain	*	*	A	105° -40°
B	3	18	PVC, ARMOR, BK 300 V 12.5 mm OD <i>extremelife</i> -25	RF51181-30M RF51181-100M RF51181-200M	17 57 114	1 pair = (BU, BN), GN/YE, Drain (20)	STP Foil/Drain	*	*		105° -40°
A	3	18	TPE BK 300 V 8.4 mm OD <i>extremelife</i> -55	RF51188-30M RF51188-100M RF51188-200M	6 20 40	1 pair = (BU, BN), GN/YE, Drain (20)	STP Foil/Drain	*	*	B	105° -55°
C	5	18	PVC BU 300 V 10.4 mm OD <i>extremelife</i> -25	RF50964-30M RF50964-100M RF50964-200M	10 33 66	BN, WH, BK, BU, GN/YE, Drain (20)	Foil/Drain	*	*	A	105° -40°
D	5	18	PVC BK 300 V 10.4 mm OD <i>extremelife</i> -25	RF51182-30M RF51182-100M RF51182-200M	10 32 64	2 pair = (BN, BU), (BK, WH), GN/YE, Drain (2 x 20)	STP Foil/Drain	*	*		105° -40°
E	8	18	PVC, ARMOR, BU 300 V 17.8 mm OD <i>extremelife</i> -25	RF51073-30M RF51073-100M RF51073-200M	31 103 206	4 pair = (BK, WH), (BU, RD), (YE, BN), (GY, GN), Drains (4 x 20)	STP Foil/Drain	*	*		105° -40°
D	8	18	TPE BK 300 V 15.1 mm OD <i>extremelife</i> -55	RF51158-30M RF51158-100M RF51158-200M	18 60 120	4 pair = (BK, WH), (BU, RD), (YE, BN), (GY, GN), Drains (5 x 20)	STP Foil/Drain	*	*	B	105° -55°
D	9	18	PVC BK 300 V 13.2 mm OD <i>extremelife</i> -25	RF51183-30M RF51183-100M RF51183-200M	16 52 104	4 pair = (WH/BK, BK/WH), (WH/GN, GN/WH), (WH/RD, RD/WH), (WH/OG, OG/WH), GN/YE, Drains (4 x 20)	STP Foil/Drain	*	*	A	105° -40°
D	9	18	TPE BK 300 V 15.1 mm OD <i>extremelife</i> -55	RF51189-30M RF51189-100M RF51189-200M	19 60 120	4 pair = (WH/BK, BK/WH), (WH/GN, GN/WH), (WH/RD, RD/WH), (WH/OG, OG/WH), GN/YE, Drains (4 x 20)	STP Foil/Drain	*	*	B	105° -55°

STP = Shielded Twisted Pair

Type A - All *extremelife*-25 Cables

- Marine Shipboard
- UL1309
- IEEE 1202/FT4
- IEEE 45-1998
- IEEE 1580-2001
- IEC 332-3

Type B - All *extremelife*-55 Cables

- Marine Shipboard
- UL1309
- ITC
- ABS App.No. 03-HS400-763-PDA