Habia Cable

2/3/4x D-F1T

Twisted Wires, 600V, +135°C, DSP 61-12 Pt 33/001 — LSI 155

Properties:
Thin wall, light weight insulation

Flame retardant
Low smoke generation

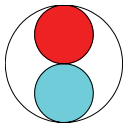
Excellent for use in oils, fuels, acids and bases

Fully approved to Defence Standard: 61-12/33/001/4 Type 1 (Table 4)

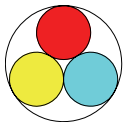
Construction:

Conductor	Tin Plated Copper (TPC)*
Insulation	LSI 155
Temperature rating	-65 / +135°C
Voltage	600 V AC
Test voltage	5000 V AC
Colours:	
Two core	Red / Blue
Three core	Red / Blue / Yellow
Four core	Red / Blue / Yellow / Green
**Conductor*	(26 & 24 AWG) High strength silver plated copper alloy

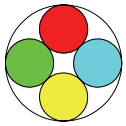
2x D-F1T



3x D-F1T



4x D-F1T



Notes:
All dimensions nominal (± 4%) unless otherwise stated.
All dimensions in mm.

Type	Size		Conductor			Finished Cable				Order Reference
	AWG	mm²	Stranding	Wire Ø	DC Res 20 °C (Ohms/km)	Core Ø	Overall Ø	Weight (kg/km)	Specification	
2x D-F1P 001	26	0,15	19 x 0,10	0,48	160	0,78	1,64	3,83	DSP33/001-1P-001-2U	61903-840-98
2x D-F1P 002	24	0,25	19 x 0,12	0,57	114	0,87	1,82	5,20	DSP33/001-1P-002-2U	61903-840-99
2x D-F1T 004	22	0,35	19 x 0,15	0,71	60,0	1,04	2,16	8,04	DSP33/001-1T-004-2U	61903-839-62
2x D-F1T 006	20	0,60	19 x 0,20	0,96	33,2	1,28	2,70	13,33	DSP33/001-1T-006-2U	61903-839-63
2x D-F1T 010	18	0,95	19 x 0,25	1,21	21,1	1,53	3,18	19,81	DSP33/001-1T-010-2U	61903-839-64
2x D-F1T 012	16	1,25	19 x 0,29	1,36	15,8	1,68	3,64	25,64	DSP33/001-1T-012-2U	61903-839-65
2x D-F1T 020	14	1,80	37 x 0,25	1,73	10,9	2,05	4,58	39,52	DSP33/001-1T-020-2U	61903-839-66
2x D-F1T 030	12	3,00	37 x 0,32	2,20	6,8	2,50	5,48	60,06	DSP33/001-1T-030-2U	61903-839-67
3x D-F1P 001	26	0,15	19 x 0,10	0,48	160	0,78	1,77	5,74	DSP33/001-1P-001-3U	61903-841-06
3x D-F1P 002	24	0,25	19 x 0,12	0,57	114	0,87	1,97	7,90	DSP33/001-1P-002-3U	61903-841-07
3x D-F1T 004	22	0,35	19 x 0,15	0,71	60,0	1,04	2,33	12,05	DSP33/001-1T-004-3U	61903-839-70
3x D-F1T 006	20	0,60	19 x 0,20	0,96	33,2	1,28	2,92	19,99	DSP33/001-1T-006-3U	61903-839-71
3x D-F1T 010	18	0,95	19 x 0,25	1,21	21,1	1,53	3,43	29,72	DSP33/001-1T-010-3U	61903-839-72
3x D-F1T 012	16	1,25	19 x 0,29	1,36	15,8	1,68	3,93	38,46	DSP33/001-1T-012-3U	61903-839-73
3x D-F1T 020	14	1,80	37 x 0,25	1,73	10,9	2,05	4,95	59,29	DSP33/001-1T-020-3U	61903-839-74
3x D-F1T 030	12	3,00	37 x 0,32	2,20	6,8	2,50	5,92	90,09	DSP33/001-1T-030-3U	61903-839-75
4x D-F1P 001	26	0,15	19 x 0,10	0,48	160	0,78	1,98	7,65	DSP33/001-1P-001-4U	61903-841-14
4x D-F1P 002	24	0,25	19 x 0,12	0,57	114	0,87	2,20	10,39	DSP33/001-1P-002-4U	61903-841-15
4x D-F1T 004	22	0,35	19 x 0,15	0,71	60,0	1,04	2,61	16,07	DSP33/001-1T-004-4U	61903-839-78
4x D-F1T 006	20	0,60	19 x 0,20	0,96	33,2	1,28	3,27	26,65	DSP33/001-1T-006-4U	61903-839-79
4x D-F1T 010	18	0,95	19 x 0,25	1,21	21,1	1,53	3,85	39,63	DSP33/001-1T-010-4U	61903-839-80
4x D-F1T 012	16	1,25	19 x 0,29	1,36	15,8	1,68	4,40	51,28	DSP33/001-1T-012-4U	61903-839-81
4x D-F1T 020	14	1,80	37 x 0,25	1,73	10,9	2,05	5,54	79,05	DSP33/001-1T-020-4U	61903-839-82
4x D-F1T 030	12	3,00	37 x 0,32	2,20	6,8	2,50	6,63	120,12	DSP33/001-1T-030-4U	61903-839-83

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Ref: TW-e234xDF1T-04
Date: 2007-06-22
Approved by:

Habia Cable

2/3/4x D-F2T

Twisted Wires, 600V, +135°C, DSP 61-12 Pt 33/001 LSI 155

Properties:
Thin wall, light weight insulation

Flame retardant
Low smoke generation

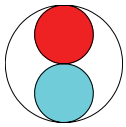
Excellent for use in oils, fuels, acids and bases

Fully approved to Defence Standard: 61-12/33/001/4 Type 2 (Table 10)

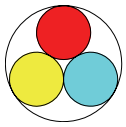
Construction:

Conductor	Tin Plated Copper (TPC)*
Insulation	LSI 155
Temperature rating	-65 / +135°C
Voltage	600 V AC
Test voltage	5000 V AC
Colours:	
Two core	Red / Blue
Three core	Red / Blue / Yellow
Four core	Red / Blue / Yellow / Green
**Conductor*	(26 & 24 AWG) High strength silver plated copper alloy

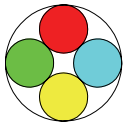
2x D-F2T



3x D-F2T



4x D-F2T



Notes:
All dimensions nominal (± 4%) unless otherwise stated.
All dimensions in mm.

Type	Size		Conductor			Finished Cable				Order Reference
	AWG	mm²	Stranding	Wire Ø	DC Res 20 °C (Ohms/km)	Core Ø	Overall Ø	Weight (kg/km)	Specification	
2x D-F2P 001	26	0,15	19 x 0,10	0,48	160	0,88	1,90	4,71	DSP33/001-2P-001-2U	61903-839-25
2x D-F2P 002	24	0,25	19 x 0,12	0,57	114	0,97	2,26	6,70	DSP33/001-2P-002-2U	61903-839-26
2x D-F2T 004	22	0,35	19 x 0,15	0,71	60,0	1,15	2,52	9,23	DSP33/001-2T-004-2U	61903-839-27
2x D-F2T 006	20	0,60	19 x 0,20	0,96	33,2	1,36	3,00	14,45	DSP33/001-2T-006-2U	61903-839-28
2x D-F2T 010	18	0,95	19 x 0,25	1,21	21,1	1,65	3,48	21,29	DSP33/001-2T-010-2U	61903-839-29
2x D-F2T 012	16	1,25	19 x 0,29	1,36	15,8	1,80	3,74	26,32	DSP33/001-2T-012-2U	61903-839-30
2x D-F2T 020	14	1,80	37 x 0,25	1,73	10,9	2,17	4,88	41,67	DSP33/001-2T-020-2U	61903-839-31
2x D-F2T 030	12	3,00	37 x 0,32	2,20	6,8	2,64	5,90	63,64	DSP33/001-2T-030-2U	61903-839-32
2x D-F2T 050	10	5,00	37 x 0,40	2,77	4,0	3,30	7,22	98,57	DSP33/001-2T-050-2U	61903-839-33
3x D-F2P 001	26	0,15	19 x 0,10	0,48	160	0,88	2,05	7,07	DSP33/001-2P-001-3U	61903-839-34
3x D-F2P 002	24	0,25	19 x 0,12	0,57	114	0,97	2,44	10,05	DSP33/001-2P-002-3U	61903-839-35
3x D-F2T 004	22	0,35	19 x 0,15	0,71	60,0	1,15	2,72	13,85	DSP33/001-2T-004-3U	61903-839-36
3x D-F2T 006	20	0,60	19 x 0,20	0,96	33,2	1,36	3,24	21,67	DSP33/001-2T-006-3U	61903-839-37
3x D-F2T 010	18	0,95	19 x 0,25	1,21	21,1	1,65	3,76	31,93	DSP33/001-2T-010-3U	61903-839-38
3x D-F2T 012	16	1,25	19 x 0,29	1,36	15,8	1,80	4,04	39,48	DSP33/001-2T-012-3U	61903-839-39
3x D-F2T 020	14	1,80	37 x 0,25	1,73	10,9	2,17	5,27	62,51	DSP33/001-2T-020-3U	61903-839-40
3x D-F2T 030	12	3,00	37 x 0,32	2,20	6,8	2,64	6,37	95,46	DSP33/001-2T-030-3U	61903-839-41
3x D-F2T 050	10	5,00	37 x 0,40	2,77	4,0	3,30	7,80	147,86	DSP33/001-2T-050-3U	61903-839-42
4x D-F2P 001	26	0,15	19 x 0,10	0,48	160	0,88	2,29	9,42	DSP33/001-2P-001-4U	61903-839-43
4x D-F2P 002	24	0,25	19 x 0,12	0,57	114	0,97	2,72	13,40	DSP33/001-2P-002-4U	61903-839-44
4x D-F2T 004	22	0,35	19 x 0,15	0,71	60,0	1,15	3,05	18,47	DSP33/001-2T-004-4U	61903-839-45
4x D-F2T 006	20	0,60	19 x 0,20	0,96	33,2	1,36	3,63	28,90	DSP33/001-2T-006-4U	61903-839-46
4x D-F2T 010	18	0,95	19 x 0,25	1,21	21,1	1,65	4,21	42,57	DSP33/001-2T-010-4U	61903-839-47
4x D-F2T 012	16	1,25	19 x 0,29	1,36	15,8	1,80	4,53	52,64	DSP33/001-2T-012-4U	61903-839-48
4x D-F2T 020	14	1,80	37 x 0,25	1,73	10,9	2,17	5,90	83,34	DSP33/001-2T-020-4U	61903-839-49
4x D-F2T 030	12	3,00	37 x 0,32	2,20	6,8	2,64	7,14	127,29	DSP33/001-2T-030-4U	61903-839-50
4x D-F2T 050	10	5,00	37 x 0,40	2,77	4,0	3,30	8,74	197,14	DSP33/001-2T-050-4U	61903-839-51

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Ref: TW-e234xDF2T-04
Date: 2007-06-22
Approved by:

Habia Cable

2/3/4x D-F1S

Twisted Wires, 600V, +150°C, DSP 61-12 Pt 33/001 — LSI 155

Properties:
Thin wall, light weight insulation

Flame retardant
Low smoke generation

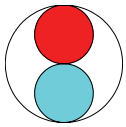
Excellent for use in oils, fuels, acids and bases

Fully approved to Defence Standard: 61-12/33/001/4 Type 1 (Table 7)

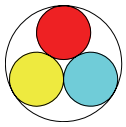
Construction:

Conductor	Silver Plated Copper (SPC)*
Insulation	LSI 155
Temperature rating	-65 / +150°C
Voltage	600 V AC
Test voltage	5000 V AC
Colours:	
Two core	Red / Blue
Three core	Red / Blue / Yellow
Four core	Red / Blue / Yellow / Green
**Conductor*	(26 & 24 AWG) High strength silver plated copper alloy

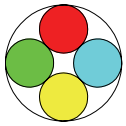
2x D-F1S



3x D-F1S



4x D-F1S



Notes:
All dimensions nominal (± 4%) unless otherwise stated.
All dimensions in mm.

Type	Size		Conductor			Finished Cable				Order Reference
	AWG	mm²	Stranding	Wire Ø	DC Res 20 °C (Ohms/km)	Core Ø	Overall Ø	Weight (kg/km)	Specification	
2x D-F1S 001	26	0,15	19 x 0,10	0,48	160	0,78	1,64	3,83	DSP33/001-1S-001-2U	61903-840-98
2x D-F1S 002	24	0,25	19 x 0,12	0,57	114	0,87	1,82	5,20	DSP33/001-1S-002-2U	61903-840-99
2x D-F1S 004	22	0,35	19 x 0,15	0,71	60,0	1,04	2,16	8,04	DSP33/001-1S-004-2U	61903-841-00
2x D-F1S 006	20	0,60	19 x 0,20	0,96	33,2	1,28	2,70	13,23	DSP33/001-1S-006-2U	61903-841-01
2x D-F1S 010	18	0,95	19 x 0,25	1,21	21,1	1,53	3,18	19,81	DSP33/001-1S-010-2U	61903-841-02
2x D-F1S 012	16	1,25	19 x 0,29	1,36	15,8	1,68	3,64	25,33	DSP33/001-1S-012-2U	61903-841-03
2x D-F1S 020	14	1,80	37 x 0,25	1,73	10,9	2,05	4,58	39,52	DSP33/001-1S-020-2U	61903-841-04
2x D-F1S 030	12	3,00	37 x 0,32	2,20	6,8	2,50	5,48	61,61	DSP33/001-1S-030-2U	61903-841-05
3x D-F1S 001	26	0,15	19 x 0,10	0,48	160	0,78	1,77	5,74	DSP33/001-1S-001-3U	61903-841-06
3x D-F1S 002	24	0,25	19 x 0,12	0,57	114	0,87	1,97	7,90	DSP33/001-1S-002-3U	61903-841-07
3x D-F1S 004	22	0,35	19 x 0,15	0,71	60,0	1,04	2,33	12,05	DSP33/001-1S-004-3U	61903-841-08
3x D-F1S 006	20	0,60	19 x 0,20	0,96	33,2	1,28	2,92	19,84	DSP33/001-1S-006-3U	61903-841-09
3x D-F1S 010	18	0,95	19 x 0,25	1,21	21,1	1,53	3,43	29,72	DSP33/001-1S-010-3U	61903-841-10
3x D-F1S 012	16	1,25	19 x 0,29	1,36	15,8	1,68	3,93	38,00	DSP33/001-1S-012-3U	61903-841-11
3x D-F1S 020	14	1,80	37 x 0,25	1,73	10,9	2,05	4,95	59,29	DSP33/001-1S-020-3U	61903-841-12
3x D-F1S 030	12	3,00	37 x 0,32	2,20	6,8	2,50	5,92	92,41	DSP33/001-1S-030-3U	61903-841-13
4x D-F1S 001	26	0,15	19 x 0,10	0,48	160	0,78	1,98	7,65	DSP33/001-1S-001-4U	61903-841-14
4x D-F1S 002	24	0,25	19 x 0,12	0,57	114	0,87	2,20	10,39	DSP33/001-1S-002-4U	61903-841-15
4x D-F1S 004	22	0,35	19 x 0,15	0,71	60,0	1,04	2,61	16,07	DSP33/001-1S-004-4U	61903-841-16
4x D-F1S 006	20	0,60	19 x 0,20	0,96	33,2	1,28	3,27	26,46	DSP33/001-1S-006-4U	61903-841-17
4x D-F1S 010	18	0,95	19 x 0,25	1,21	21,1	1,53	3,85	39,63	DSP33/001-1S-010-4U	61903-841-18
4x D-F1S 012	16	1,25	19 x 0,29	1,36	15,8	1,68	4,40	50,67	DSP33/001-1S-012-4U	61903-841-19
4x D-F1S 020	14	1,80	37 x 0,25	1,73	10,9	2,05	5,54	79,05	DSP33/001-1S-020-4U	61903-841-20
4x D-F1S 030	12	3,00	37 x 0,32	2,20	6,8	2,50	6,63	123,22	DSP33/001-1S-030-4U	61903-841-21

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Ref: TW-e234xDF1S-02
Date: 2007-06-22
Approved by:

Habia Cable

2/3/4x D-F2S

Twisted Wires, 600V, +150°C, DSP 61-12 Pt 33/001 — LSI 155

Properties:
Thin wall, light weight insulation

Flame retardant
Low smoke generation

Excellent for use in oils, fuels, acids and bases

Fully approved to Defence Standard: 61-12/33/001/4 Type 2 (Table 13)

Construction:

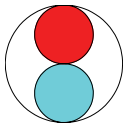
Conductor	Silver Plated Copper (SPC)*
Insulation	LSI 155
Temperature rating	-65 / +150°C
Voltage	600 V AC
Test voltage	5000 V AC

Colours:

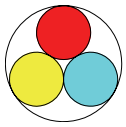
Two core	Red / Blue
Three core	Red / Blue / Yellow
Four core	Red / Blue / Yellow / Green

**Conductor* (26 & 24 AWG) High strength silver plated copper alloy

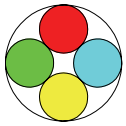
2x D-F2S



3x D-F2S



4x D-F2S



Notes:
All dimensions nominal (± 4%) unless otherwise stated.
All dimensions in mm.

Type	Size		Conductor			Finished Cable				Order Reference
	AWG	mm²	Stranding	Wire Ø	DC Res 20 °C (Ohms/km)	Core Ø	Overall Ø	Weight (kg/km)	Specification	
2x D-F2S 001	26	0,15	19 x 0,10	0,48	160	0,88	2,00	4,69	DSP33/001-2S-001-2U	61903-840-63
2x D-F2S 002	24	0,25	19 x 0,12	0,57	114	0,97	2,32	6,65	DSP33/001-2S-002-2U	61903-840-64
2x D-F2S 004	22	0,35	19 x 0,15	0,71	60,0	1,15	2,52	9,23	DSP33/001-2S-004-2U	61903-840-65
2x D-F2S 006	20	0,60	19 x 0,20	0,96	33,2	1,36	3,00	14,49	DSP33/001-2S-006-2U	61903-840-66
2x D-F2S 010	18	0,95	19 x 0,25	1,21	21,1	1,65	3,48	21,29	DSP33/001-2S-010-2U	61903-840-67
2x D-F2S 012	16	1,25	19 x 0,29	1,36	15,8	1,80	3,74	27,37	DSP33/001-2S-012-2U	61903-840-68
2x D-F2S 020	14	1,80	37 x 0,25	1,73	10,9	2,17	4,88	41,67	DSP33/001-2S-020-2U	61903-840-69
2x D-F2S 030	12	3,00	37 x 0,32	2,20	6,8	2,64	5,90	63,64	DSP33/001-2S-030-2U	61903-840-70
2x D-F2S 050	10	5,00	37 x 0,40	2,77	4,0	3,30	7,22	98,57	DSP33/001-2S-050-2U	61903-840-71
3x D-F2S 001	26	0,15	19 x 0,10	0,48	160	0,88	2,16	7,04	DSP33/001-2S-001-3U	61903-840-72
3x D-F2S 002	24	0,25	19 x 0,12	0,57	114	0,97	2,51	9,97	DSP33/001-2S-002-3U	61903-840-73
3x D-F2S 004	22	0,35	19 x 0,15	0,71	60,0	1,15	2,72	13,85	DSP33/001-2S-004-3U	61903-840-74
3x D-F2S 006	20	0,60	19 x 0,20	0,96	33,2	1,36	3,24	21,74	DSP33/001-2S-006-3U	61903-840-75
3x D-F2S 010	18	0,95	19 x 0,25	1,21	21,1	1,65	3,76	31,93	DSP33/001-2S-010-3U	61903-840-76
3x D-F2S 012	16	1,25	19 x 0,29	1,36	15,8	1,80	4,41	41,05	DSP33/001-2S-012-3U	61903-840-77
3x D-F2S 020	14	1,80	37 x 0,25	1,73	10,9	2,17	5,27	62,51	DSP33/001-2S-020-3U	61903-840-78
3x D-F2S 030	12	3,00	37 x 0,32	2,20	6,8	2,64	6,37	95,46	DSP33/001-2S-030-3U	61903-840-79
3x D-F2S 050	10	5,00	37 x 0,40	2,77	4,0	3,30	7,80	147,86	DSP33/001-2S-050-3U	61903-840-80
4x D-F2S 001	26	0,15	19 x 0,10	0,48	160	0,88	2,42	9,39	DSP33/001-2S-001-4U	61903-840-81
4x D-F2S 002	24	0,25	19 x 0,12	0,57	114	0,97	2,81	13,30	DSP33/001-2S-002-4U	61903-840-82
4x D-F2S 004	22	0,35	19 x 0,15	0,71	60,0	1,15	3,05	18,47	DSP33/001-2S-004-4U	61903-840-83
4x D-F2S 006	20	0,60	19 x 0,20	0,96	33,2	1,36	3,63	28,98	DSP33/001-2S-006-4U	61903-840-84
4x D-F2S 010	18	0,95	19 x 0,25	1,21	21,1	1,65	4,21	42,57	DSP33/001-2S-010-4U	61903-840-85
4x D-F2S 012	16	1,25	19 x 0,29	1,36	15,8	1,80	4,53	54,74	DSP33/001-2S-012-4U	61903-840-86
4x D-F2S 020	14	1,80	37 x 0,25	1,73	10,9	2,17	5,90	83,34	DSP33/001-2S-020-4U	61903-840-87
4x D-F2S 030	12	3,00	37 x 0,32	2,20	6,8	2,64	7,14	127,29	DSP33/001-2S-030-4U	61903-840-88
4x D-F2S 050	10	5,00	37 x 0,40	2,77	4,0	3,30	8,74	197,14	DSP33/001-2S-050-4U	61903-840-89

Data provided indicates nominal values unless stated otherwise and is only valid for reference purposes at the time of publication and is subject to change without prior notice.

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