

# Twisted Wires

Page	Material	Name	Voltage	Temp.	Specification
B.2	ETFE	KU 03 / 04	600 V	150°C	NF C 93-524
B.3	ETFE	H-GM21-E	600 V	150°C	VG 95218-021E
B.4	HFI	2/3/4x D-D	600 V	120°C	Habia internal standard
B.5	LSI 155	2/3/4x D-F1T	600 V	135°C	DSP 61-12 Pt 33 / 001
B.6	LSI 155	2/3/4x D-F2T	600 V	135°C	DSP 61-12 Pt 33 / 001
B.7	LSI 155	2/3/4x D-F1S	600 V	150°C	DSP 61-12 Pt 33 / 001
B.8	LSI 155	2/3/4x D-F2S	600 V	150°C	DSP 61-12 Pt 33 / 001



**Properties:**

Thin wall, light weight insulation

Flame retardant  
Low smoke generation

Excellent for use in oils, fuels, acids and bases

**Construction:**

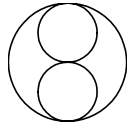
Conductor  
Insulation  
Temperature rating  
Voltage  
Test voltage

**Colours:**

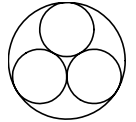
According to order

Tin Plated Copper (TPC)  
ETFE  
-65 / +150°C  
600 V AC  
5000 V AC

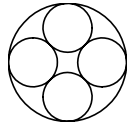
**2 Core**



**3 Core**



**4 Core**



**Notes:**

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

Type	Size		Conductor			Finished Cable				Order Reference
	AWG	mm <sup>2</sup>	Stranding	Wire Ø	DC Res 20 °C (Ohms/km)	Core Ø	Overall Ø	Weight (kg/km)	Specification	
H-GM21-E010	24	0,25	19 strand	0,66	87,7	1,02	2,13	6,8	VG 95218 T 021 E 010	305-52105-100
H-GM21-E001	22	0,4	19 strand	0,84	54,2	1,19	2,48	9,6	VG 95218 T 021 E 001	305-52105-010
H-GM21-E002	19	0,6	37 strand	1,04	34,2	1,40	2,90	14,1	VG 95218 T 021 E 002	305-52105-020
H-GM21-E003	16	1,2	37 strand	1,47	16,7	1,83	3,80	27,2	VG 95218 T 021 E 003	305-52105-030
H-GM21-E006	24	0,25	19 strand	0,66	87,7	1,02	2,30	9,7	VG 95218 T 021 E 006	305-52105-060
H-GM21-E004	22	0,4	19 strand	0,84	54,2	1,19	2,68	14,4	VG 95218 T 021 E 004	305-52105-040
H-GM21-E005	19	0,6	37 strand	1,04	34,2	1,40	3,13	21,2	VG 95218 T 021 E 005	305-52105-050
H-GM21-E011	16	1,2	37 strand	1,47	16,7	1,83	4,20	40,7	VG 95218 T 021 E 011	305-52105-110
H-GM21-E009	24	0,25	19 strand	0,66	87,7	1,02	2,57	13,0	VG 95218 T 021 E 009	305-52105-090
H-GM21-E007	22	0,4	19 strand	0,84	54,2	1,19	2,99	19,2	VG 95218 T 021 E 007	305-52105-070
H-GM21-E008	19	0,6	37 strand	1,04	34,2	1,40	3,49	28,2	VG 95218 T 021 E 008	305-52105-080

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Ref: TW-eHGM21E-02  
Date: 2007-06-22  
Approved by:

**Properties:**

Thin wall, light weight insulation

Flame retardant

Halogen free

Low smoke generation

Excellent for use in oils, fuels, acids and bases

**Construction:**

Conductor

Insulation

Temperature rating

Voltage

Test voltage

**Colours:**

Two cores

Three cores

Four cores

Tin Plated Copper (TPC)

HFI 140

-50 / +125°C

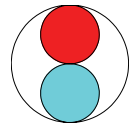
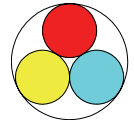
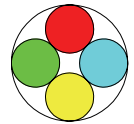
600 V AC

5000 V AC

Red / Blue

Red / Blue / Yellow

Red / Blue / Yellow / Green

**2x D-D**

**3x D-D**

**4x D-D**

**Notes:**

All dimensions nominal (± 4%)

unless otherwise stated.

All dimensions in mm.

Type	Size		Conductor			Finished Cable				Order Reference
	AWG	mm <sup>2</sup>	Stranding	Wire Ø	DC Res 20 °C (Ohms/km)	Core Ø	Overall Ø	Weight (kg/km)	Specification	
2x D-D 3007	30	0,06	7 x 0,10	0,30	336,0	0,70	1,40	2	Habia Internal Standard	703-00002-006
2x D-D 2807	28	0,08	7 x 0,12	0,38	259,0	0,78	1,56	3	Habia Internal Standard	703-00002-008
2x D-D 2619	26	0,15	19 x 0,10	0,48	141,0	0,88	1,76	6	Habia Internal Standard	703-00002-015
2x D-D 2419	24	0,20	19 x 0,12	0,60	95,6	1,00	2,00	7	Habia Internal Standard	703-00002-020
2x D-D 2219	22	0,40	19 x 0,15	0,76	60,0	1,16	2,32	10	Habia Internal Standard	703-00002-040
2x D-D 2019	20	0,60	19 x 0,20	0,96	33,2	1,36	2,72	15	Habia Internal Standard	703-00002-060
2x D-D 1819	18	1,00	19 x 0,25	1,20	21,1	1,60	3,20	21	Habia Internal Standard	703-00002-100
2x D-D 1619	16	1,20	19 x 0,30	1,42	14,5	1,82	3,64	33	Habia Internal Standard	703-00002-120
2x D-D 1437	14	2,00	37 x 0,25	1,75	10,9	2,25	4,50	42	Habia Internal Standard	703-00002-200
2x D-D 1237	12	2,60	37 x 0,30	2,10	7,60	2,60	5,20	54	Habia Internal Standard	703-00002-260
3x D-D 3007	30	0,06	7 x 0,10	0,30	336,0	0,70	1,50	3	Habia Internal Standard	703-00003-006
3x D-D 2807	28	0,08	7 x 0,12	0,38	259,0	0,78	1,68	5	Habia Internal Standard	703-00003-008
3x D-D 2619	26	0,15	19 x 0,10	0,48	141,0	0,88	1,89	9	Habia Internal Standard	703-00003-015
3x D-D 2419	24	0,20	19 x 0,12	0,60	95,6	1,00	2,15	11	Habia Internal Standard	703-00003-020
3x D-D 2219	22	0,40	19 x 0,15	0,76	60,0	1,16	2,50	15	Habia Internal Standard	703-00003-040
3x D-D 2019	20	0,60	19 x 0,20	0,96	33,2	1,36	2,93	23	Habia Internal Standard	703-00003-060
3x D-D 1819	18	1,00	19 x 0,25	1,20	21,1	1,60	3,44	32	Habia Internal Standard	703-00003-100
3x D-D 1619	16	1,20	19 x 0,30	1,42	14,5	1,82	3,92	50	Habia Internal Standard	703-00003-120
3x D-D 1437	14	2,00	37 x 0,25	1,75	10,9	2,25	4,84	63	Habia Internal Standard	703-00003-200
3x D-D 1237	12	2,60	37 x 0,30	2,10	7,60	2,60	5,60	81	Habia Internal Standard	703-00003-260
4x D-D 3007	30	0,06	7 x 0,10	0,30	336,0	0,70	1,69	4	Habia Internal Standard	703-00004-006
4x D-D 2807	28	0,08	7 x 0,12	0,38	259,0	0,78	1,88	6	Habia Internal Standard	703-00004-008
4x D-D 2619	26	0,15	19 x 0,10	0,48	141,0	0,88	2,12	12	Habia Internal Standard	703-00004-015
4x D-D 2419	24	0,20	19 x 0,12	0,60	95,6	1,00	2,41	14	Habia Internal Standard	703-00004-020
4x D-D 2219	22	0,40	19 x 0,15	0,76	60,0	1,16	2,80	20	Habia Internal Standard	703-00004-040
4x D-D 2019	20	0,60	19 x 0,20	0,96	33,2	1,36	3,28	30	Habia Internal Standard	703-00004-060
4x D-D 1819	18	1,00	19 x 0,25	1,20	21,1	1,60	3,86	42	Habia Internal Standard	703-00004-100
4x D-D 1619	16	1,20	19 x 0,30	1,42	14,5	1,82	4,39	66	Habia Internal Standard	703-00004-120
4x D-D 1437	14	2,00	37 x 0,25	1,75	10,9	2,25	5,43	84	Habia Internal Standard	703-00004-200
4x D-D 1237	12	2,60	37 x 0,30	2,10	7,60	2,60	6,27	108	Habia Internal Standard	703-00004-260

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Ref: TW-e234xDD-01

Date: 2007-06-22

Approved by: 