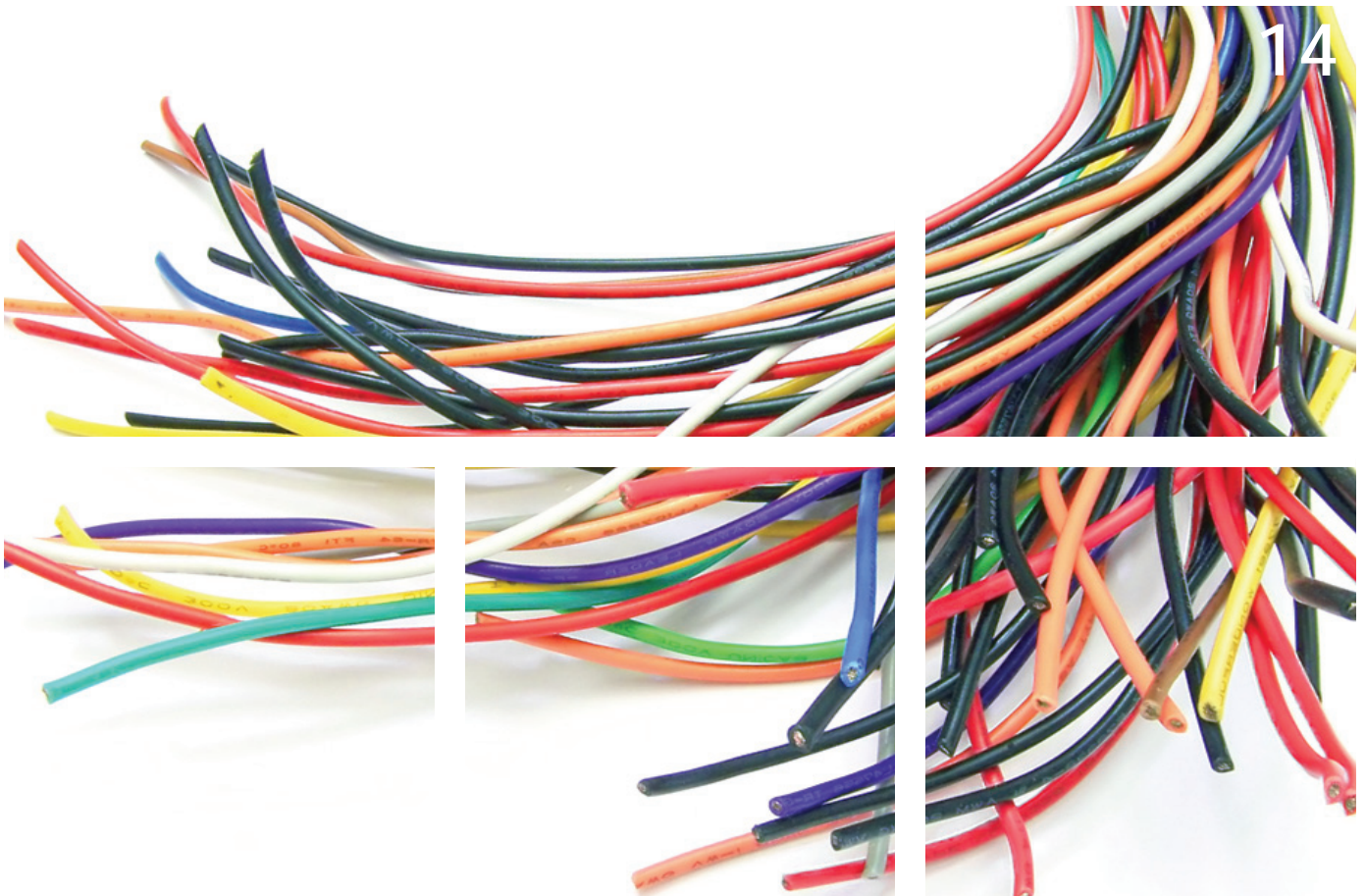


Habia Cable



SingleWires

160V to 5kV from 36AWG to 2/0AWG

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Introduction

Habia has developed a wide range of materials to be able to offer the best solution for your application.

In addition to the products listed here, Habia's single wires are also available in: HFI 110 XL (see Railguard), HFI 140 (see Seaguard^{DS}), HFI 260 (Habiatron) and PTFE and LSI 155 (see Flightguard^{DS}). Information on these wires can be found in the relevant product range documentation. Our standard range includes:

ETFE

Offering an excellent range of physical properties such as mechanical toughness, flex-life, fire performance and chemical resistance. ETFE cores are ideal for general-purpose use and are used extensively in both military and industrial applications and is manufactured to a wide variety of standards.

FEP

Thin wall insulation material intended for use up to 200°C. FEP has good electrical properties and excellent fire performance. It is the most flexible of the fluoropolymer insulations and is ideal for use in long lengths. FEP is primarily used in data and coaxial cables, medical applications and control/signal cables for high temperatures.

HFI 121 XL

Habia Cable's general purpose product for larger sizes. HFI 121 XL is reasonably flexible.

HFI 140

Designed for use in the Seaguard range and fully approved to Def Stan 61-12 Part 18. HFI 140 has since found wide-ranging use in several other applications including Habiatron and Railguard due to its excellent low smoke zero halogen, flame retardant and radiation resistant properties. It is commonly used for control, signal and instrumentation applications.

HFI 147

Developed to replace HFI 120, HFI 147 shares that material's wide-ranging properties making it ideal for use in a variety of applications.

HFI 150

HFI 150 is primarily used within the nuclear sector and as part of the Habiatron range thanks to its flame retardant, Low Smoke Zero Halogen (LSZH) and highly radiation tolerant properties. Commonly used for control, signal and instrumentation applications.

PFA

A thin wall insulation material intended for applications up to 260°C. Sharing many of the properties of PTFE, the high temperature rating and low out-gassing properties of PFA allow it to be used particularly in industrial applications such as gas turbines and under vacuum conditions.

PTFE

Habia Cable's original insulation material, intended for use up to 260°C. PTFE has excellent mechanical properties, including solder resistance and offers unparalleled electrical performance. Typical applications for PTFE include gas ignition wires, gas turbines, vacuum applications and high temperature data cables.

TPS 130

With very good flexibility and flex-life properties and a wide temperature range of -40°C up to 130°C, TPS 130 is rapidly becoming established as an ideal general-purpose material.

TWI 205

An ultra-thin wall taped insulation and jacketing material. Intended for applications up to 200°C.

Single core

Voltage	600/1000V AC U ₀ /U
Test voltage	3400V AC
Flame retardant	
Low smoke generation	
Radiation tolerant	10 ⁵ Gy

- NF C 93-524

Construction

Conductor	Tin Plated Copper (TPC)	Insulation	ETFE
Shield	-	Sheath	-

Application

ETFE offers an excellent range of physical properties such as mechanical toughness, flex-life, fire performance and chemical resistance. ETFE cores are ideal for all-round general purpose use and are used extensively in both military and industrial applications. Designed according to NF C 93-524.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
KU 01-30	30	0,06	7 x 0,102	354,30	0,31	0,63	±0,05	0,9	3	006-1cc01-030
KU 01-28	28	0,09	7 x 0,127	223,80	0,38	0,69	±0,05	1,3	4	006-1cc01-028
KU 01-26	26	0,16	19 x 0,102	131,90	0,48	0,81	±0,05	1,9	6	006-1cc01-026
KU 01-24	24	0,24	19 x 0,127	83,30	0,60	0,91	±0,05	2,8	9	006-1cc01-024
KU 01-22	22	0,38	19 x 0,160	52,20	0,76	1,10	±0,05	4,2	12	006-1cc01-022
KU 01-20	20	0,60	19 x 0,203	32,00	0,96	1,52	±0,05	7,3	16	006-1cc01-020
KU 01-18	18	0,96	19 x 0,254	20,40	1,20	1,80	±0,05	11,0	22	006-1cc01-018
KU 01-16	16	1,23	19 x 0,287	15,80	1,36	2,00	±0,07	14,0	27	006-1cc01-016
KU 01-14	14	1,87	37 x 0,254	10,00	1,73	2,36	±0,10	21,0	37	006-1cc01-014
KU 01-12	12	2,98	37 x 0,320	6,59	2,20	2,89	±0,10	33,0	50	006-1cc01-012

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_KU_13 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	0,5-1mm ²	300/500V AC U ₀ /U
	1,5-6mm ²	450/750V AC U ₀ /U
	>10mm ²	600/1000V AC U ₀ /U
Test voltage	1 min 5 kV DC	
Flame retardant		
Low smoke generation		

Construction

Conductor	Tin Plated Copper (TPC)	Insulation	ETFE
Shield	-	Sheath	-

Application

RT power cores are based on the Swedish Standard: SS 424 02 46. ETFE cores offer an excellent range of physical properties such as mechanical toughness, flex-life, fire performance and chemical resistance. ETFE cores are ideal for all-round general purpose use and are common in both military and industrial applications.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
RT 0,5	-	0,50	16 x 0,20	40,10	0,88	1,44	+0,26 - 0,08	6	10	565cc0050
RT 0,75	-	0,75	24 x 0,20	26,70	1,05	1,61	+0,19 - 0,03	9	14	565cc0075
RT 1,0	-	1,00	32 x 0,20	20,00	1,20	1,76	+0,14 - 0,06	11	16	565cc0100
RT 1,5	-	1,50	30 x 0,25	13,70	1,50	2,26	+0,24 - 0,06	18	23	565cc0150
RT 2,5	-	2,50	50 x 0,25	8,21	1,95	2,71	+0,39 - 0,06	27	32	565cc0250
RT 4	-	4,00	56 x 0,30	5,09	2,48	3,38	+0,22 - 0,08	40	44	565cc0400
RT 6	-	6,00	84 x 0,30	3,39	2,92	3,82	+0,38 - 0,12	62	59	565cc0600
RT 10	-	10,00	80 x 0,40	1,95	3,93	4,83	+0,27 - 0,10	110	91	565cc1000
RT 16	-	16,00	126 x 0,40	1,24	5,70	6,80	+0,40 - 0,20	180	125	565cc1600
RT 25	-	25,00	196 x 0,40	0,79	7,20	8,30	+0,60 - 0,20	260	170	565cc2500
RT 35	-	35,00	278 x 0,40	0,56	8,40	9,90	+0,50 - 0,20	364	217	565cc3500
RT 50	-	50,00	399 x 0,40	0,39	10,70	12,20	±0,20	525	281	565cc5000
RT 70	-	70,00	361 x 0,50	0,28	12,40	14,60	±0,20	731	349	565cc7000
RT 95	-	95,00	475 x 0,50	0,21	14,30	16,50	±0,20	966	428	565cc9500
RT 120	-	120,00	629 x 0,50	0,16	16,00	18,60	±0,20	1241	499	565cc9120
RT 150	-	150,00	777 x 0,50	0,13	18,00	20,60	±0,20	1549	568	565cc9150
RT 185	-	185,00	925 x 0,50	0,11	20,00	23,00	±0,20	1799	627	565cc9185
RT 240	-	240,00	1221 x 0,50	0,08	23,00	26,00	±0,20	2568	819	565cc9240

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_RT_13 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	160/300V AC U ₀ /U
Test voltage	2000V AC
Flame retardant	
Low smoke generation	
• Ultra thin	

Construction

Conductor	Silver Plated High Strength Copper Alloy (HSA) *	Insulation	ETFE
Shield	-	Sheath	-

* Sizes 28 AWG and 26 AWG use Tin Plated Copper (TPC)

Application

Offering an excellent range of physical properties such as mechanical toughness, flex-life, fire performance and chemical resistance. ETFE cores are ideal for general-purpose use and are used extensively in both military and industrial applications and is manufactured to a wide variety of standards.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-UZT 3601 HSA	36	0,01	1 x 0,13	1825,00	0,13	0,27	+ 0,02 - 0,03	0,25	-	912cc3601
H-UZT 3607 HSA	36	0,01	7 x 0,05	1545,00	0,15	0,32	+ 0,02 - 0,03	0,30	-	912cc3607
H-UZT 3401 HSA	34	0,02	1 x 0,16	1139,00	0,16	0,31	+ 0,02 - 0,03	0,35	1	912cc3401
H-UZT 3407 HSA	34	0,02	7 x 0,06	979,00	0,19	0,36	+ 0,02 - 0,03	0,40	1	912cc3407
H-UZT 3201 HSA	32	0,03	1 x 0,20	627,00	0,20	0,36	+ 0,02 - 0,03	0,50	2	912cc3201
H-UZT 3207 HSA	32	0,03	7 x 0,08	621,00	0,24	0,42	+ 0,02 - 0,03	0,55	2	912cc3207
H-UZT 3219 HSA	32	0,04	19 x 0,05	571,00	0,25	0,42	+ 0,02 - 0,03	0,65	2	912cc3219
H-UZT 3001 HSA	30	0,05	1 x 0,25	401,00	0,25	0,42	+ 0,02 - 0,03	0,70	3	912cc3001
H-UZT 3007 HSA	30	0,05	7 x 0,10	373,00	0,30	0,49	+ 0,02 - 0,03	0,85	3	912cc3007
H-UZT 3019 HSA	30	0,05	19 x 0,06	360,00	0,32	0,50	+ 0,02 - 0,03	0,90	3	912cc3019
H-UZT 2801	28	0,08	1 x 0,32	221,00	0,32	0,50	+ 0,02 - 0,03	1,00	4	912cc2801
H-UZT 2807	28	0,09	7 x 0,13	210,00	0,38	0,56	+ 0,02 - 0,03	1,20	4	912cc2807
H-UZT 2601	26	0,13	1 x 0,40	139,00	0,40	0,62	+ 0,02 - 0,03	1,60	6	912cc2601

Available colours (replace 'cc' in the order reference)

00 Black 11 Brown 22 Red 33 Orange 44 Yellow 55 Green 66 Blue 77 Violet 88 Grey 99 White 29 Pink 89 Natural 45 Yel/Grn

Ref: EQ_UZT_12 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	250/500V AC U ₀ /U
Test voltage	2500V AC
Flame retardant	
Low smoke generation	
Radiation tolerant	10 ⁵ Gy

Construction

Conductor	H-ZT TPC H-ZT	Tin Plated Copper (TPC) Silver Plated Copper (SPC)	Insulation	ETFE
Shield	-		Sheath	-

Application

ETFE offers an excellent range of physical properties such as mechanical toughness, flex-life, fire performance and chemical resistance. ETFE cores are ideal for all-round general purpose use and are used extensively in both military and industrial applications.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-ZT 3007 TPC H-ZT 3007	30	0,06	7 x 0,10	354,30	0,30	0,61	±0,04	1,0	3	577cc3007 567cc3007
H-ZT 2807 TPC H-ZT 2807	28	0,09	7 x 0,13	223,80	0,38	0,68	±0,04	1,5	4	577cc2807 567cc2807
H-ZT 2607 TPC H-ZT 2607	26	0,14	7 x 0,16	139,80	0,48	0,81	±0,05	2,1	6	577cc2607 567cc2607
H-ZT 2619 TPC H-ZT 2619	26	0,16	19 x 0,10	131,60	0,48	0,81	±0,05	2,2	6	577cc2619 567cc2619
H-ZT 2407 TPC H-ZT 2407	24	0,22	7 x 0,20	86,00	0,60	0,91	±0,05	3,0	9	577cc2407 567cc2407
H-ZT 2419 TPC H-ZT 2419	24	0,24	19 x 0,13	83,30	0,60	0,91	±0,05	3,2	9	577cc2419 567cc2419
H-ZT 2207 TPC H-ZT 2207	22	0,36	7 x 0,25	54,80	0,76	1,09	±0,05	4,4	12	577cc2207 567cc2207
H-ZT 2219 TPC H-ZT 2219	22	0,38	19 x 0,16	52,20	0,76	1,09	±0,05	4,7	12	577cc2219 567cc2219
H-ZT 2007 TPC H-ZT 2007	20	0,56	7 x 0,32	34,10	0,96	1,30	±0,05	6,6	16	577cc2007 567cc2007
H-ZT 2019 TPC H-ZT 2019	20	0,60	19 x 0,20	32,00	0,97	1,30	±0,05	7,1	16	577cc2019 567cc2019

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_ZT_13 Created: CJV Approved: AE Date: 2013-09-12

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H-Z (ETFE)

600V
-65°C/+150°C

Single core

Voltage	600/1000V AC U ₀ /U
Test voltage	3400V AC
Flame retardant	
Low smoke generation	

Construction

Conductor	H-Z TPC H-Z	Tin Plated Copper (TPC) Silver Plated Copper (SPC)	Insulation	ETFE
Shield	-		Sheath	-

Application

ETFE offers an excellent range of physical properties such as mechanical toughness, flex-life, fire performance and chemical resistance. ETFE cores are ideal for all-round general purpose use and are used extensively in both military and industrial applications.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-Z 3201 TPC H-Z 3201	32	0,03	1 x 0,20	584,00	0,20	0,65	±0,05	1,2	2	578cc3201 568cc3201
H-Z 3207 TPC H-Z 3207	32	0,04	7 x 0,08	597,10	0,24	0,69	±0,05	1,2	2	578cc3207 568cc3207
H-Z 3001 TPC H-Z 3001	30	0,05	1 x 0,25	374,00	0,25	0,71	±0,05	1,5	3	578cc3001 568cc3001
H-Z 3007 TPC H-Z 3007	30	0,06	7 x 0,10	354,30	0,30	0,75	±0,05	1,5	3	578cc3007 568cc3007
H-Z 2801 TPC H-Z 2801	28	0,08	1 x 0,32	232,30	0,32	0,77	±0,05	2,0	4	578cc2801 568cc2801
H-Z 2807 TPC H-Z 2807	28	0,09	7 x 0,13	223,80	0,38	0,83	±0,05	2,0	4	578cc2807 568cc2807
H-Z 2607 TPC H-Z 2607	26	0,14	7 x 0,16	139,80	0,48	0,93	±0,05	2,7	6	578cc2607 568cc2607
H-Z 2619 TPC H-Z 2619	26	0,16	19 x 0,10	131,60	0,48	0,93	±0,05	2,8	6	578cc2619 568cc2619
H-Z 2407 TPC H-Z 2407	24	0,22	7 x 0,20	86,00	0,60	1,06	±0,05	3,7	9	578cc2407 568cc2407
H-Z 2419 TPC H-Z 2419	24	0,24	19 x 0,13	83,30	0,60	1,06	±0,05	3,9	9	578cc2419 568cc2419
H-Z 2207 TPC H-Z 2207	22	0,36	7 x 0,25	54,80	0,76	1,22	±0,05	5,2	12	578cc2207 568cc2207
H-Z 2219 TPC H-Z 2219	22	0,38	19 x 0,16	52,20	0,76	1,22	±0,05	5,5	12	578cc2219 568cc2219
H-Z 2007 TPC H-Z 2007	20	0,56	7 x 0,32	34,10	0,96	1,41	±0,05	7,5	16	578cc2007 568cc2007
H-Z 2019 TPC H-Z 2019	20	0,60	19 x 0,20	32,00	0,97	1,41	±0,05	8,1	16	578cc2019 568cc2019
H-Z 1819 TPC H-Z 1819	18	0,96	19 x 0,25	20,40	1,21	1,75	±0,08	12,0	22	578cc1819 568cc1819
H-Z 1619 TPC H-Z 1619	16	1,23	19 x 0,29	15,80	1,36	1,97	±0,13	16,0	27	578cc1619 568cc1619
H-Z 1419 TPC H-Z 1419	14	1,87	19 x 0,36	10,00	1,70	2,34	±0,13	20,0	37	578cc1419 568cc1419
H-Z 1219 TPC H-Z 1219	12	3,02	19 x 0,45	6,30	2,14	2,82	±0,13	33,0	50	578cc1219 568cc1219

Available colours (replace 'cc' in the order reference)

00 Black 11 Brown 22 Red 33 Orange 44 Yellow 55 Green 66 Blue 77 Violet 88 Grey 99 White 29 Pink 89 Natural 45 Yel/Grn

Ref: EQ_Z_13 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	1000/1900V AC U ₀ /U
Test voltage	5000V AC
Flame retardant	
Low smoke generation	
Radiation tolerant	10 ⁵ Gy

Construction

Conductor	H-ZZ TPC H-ZZ	Tin Plated Copper (TPC) Silver Plated Copper (SPC)	Insulation	ETFE
Shield	-		Sheath	-

Application

ETFE offers an excellent range of physical properties such as mechanical toughness, flex-life, fire performance and chemical resistance. ETFE cores are ideal for all-round general purpose use and are used extensively in both military and industrial applications.

Description	Size		Conductor			Finished Wire			Electrical	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-ZZ 3207 TPC H-ZZ 3201	32	0,04	7 x 0,08	597,10	0,24	0,94	±0,05	1,2	2	579cc3207 569cc3207
H-ZZ 3001 TPC H-ZZ 3001	30	0,05	1 x 0,25	374,00	0,25	0,96	±0,05	1,5	3	579cc3001 569cc3007
H-ZZ 3007 TPC H-ZZ 3007	30	0,06	7 x 0,10	354,30	0,30	1,01	±0,05	1,5	3	579cc3007 569cc3007
H-ZZ 2801 TPC H-ZZ 2801	28	0,08	1 x 0,32	232,30	0,32	1,03	±0,05	2,0	4	579cc2801 569cc2801
H-ZZ 2807 TPC H-ZZ 2807	28	0,09	7 x 0,13	223,80	0,38	1,09	±0,05	2,0	4	579cc2807 569cc2807
H-ZZ 2601 TPC H-ZZ 2601	26	0,13	1 x 0,40	146,00	0,40	1,11	±0,05	2,6	6	579cc2601 569cc2601
H-ZZ 2607 TPC H-ZZ 2607	26	0,14	7 x 0,16	139,80	0,48	1,19	±0,05	2,7	6	579cc2607 569cc2607
H-ZZ 2619 TPC H-ZZ 2619	26	0,16	19 x 0,10	131,60	0,48	1,19	±0,05	2,8	6	579cc2619 569cc2619
H-ZZ 2401 TPC H-ZZ 2401	24	0,20	1 x 0,51	89,20	0,51	1,22	±0,05	3,5	9	579cc2401 569cc2401
H-ZZ 2407 TPC H-ZZ 2407	24	0,22	7 x 0,20	86,00	0,60	1,31	±0,05	3,7	9	579cc2407 569cc2407
H-ZZ 2419 TPC H-ZZ 2419	24	0,24	19 x 0,13	83,30	0,60	1,31	±0,05	3,9	9	579cc2419 569cc2419
H-ZZ 2201 TPC H-ZZ 2201	22	0,32	1 x 0,64	56,40	0,64	1,35	±0,05	5,0	12	579cc2201 569cc2201
H-ZZ 2207 TPC H-ZZ 2207	22	0,36	7 x 0,25	54,80	0,76	1,47	±0,05	5,2	12	579cc2207 569cc2207
H-ZZ 2219 TPC H-ZZ 2219	22	0,38	19 x 0,16	52,20	0,76	1,47	±0,05	5,5	12	579cc2219 569cc2219
H-ZZ 2001 TPC H-ZZ 2001	20	0,52	1 x 0,81	35,10	0,81	1,52	±0,05	6,8	16	579cc2001 569cc2001
H-ZZ 2007 TPC H-ZZ 2007	20	0,56	7 x 0,32	34,10	0,96	1,67	±0,05	7,5	16	579cc2007 569cc2007
H-ZZ 2019 TPC H-ZZ 2019	20	0,60	19 x 0,20	32,00	0,97	1,67	±0,05	8,1	16	579cc2019 569cc2019
H-ZZ 1819 TPC H-ZZ 1819	18	0,96	19 x 0,25	20,40	1,21	2,00	±0,08	12,0	22	579cc1819 569cc1819
H-ZZ 1619 TPC H-ZZ 1619	16	1,23	19 x 0,29	15,80	1,36	2,19	±0,13	16,0	27	579cc1619 569cc1619
H-ZZ 1419 TPC H-ZZ 1419	14	1,87	19 x 0,36	10,00	1,70	2,58	±0,13	20,0	37	579cc1419 569cc1419
H-ZZ 1219 TPC H-ZZ 1219	12	3,02	19 x 0,45	6,30	2,14	3,09	±0,16	33,0	50	579cc1219 569cc1219
H-ZZ 1037 TPC H-ZZ 1037	10	4,65	37 x 0,40	4,13	2,82	3,62	±0,16	55,0	69	579cc1037 569cc1037
H-ZZ 8133 TPC H-ZZ 8133	8	8,60	133 x 0,29	2,30	4,10	5,20	±0,21	95,0	109	579cc8133 569cc8133
H-ZZ 6133 TPC H-ZZ 6133	6	14,00	133 x 0,36	1,46	5,13	6,20	±0,30	140,0	150	579cc6133 569cc6133
H-ZZ 4133 TPC H-ZZ 4133	4	22,00	133 x 0,45	0,92	6,75	7,80	±0,40	225,0	207	579cc4133 569cc4133
H-ZZ 2665 TPC H-ZZ 2665	2	34,00	655 x 0,25	0,60	8,51	9,50	±0,50	335,0	tbc	579cc2665 569cc2665

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_ZZ_13 Created: CJV Approved: AE Date: 2013-09-12

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

M-ZL and M-ZLA (ETFE)

600V
-65°C/+150°C

Single core

Voltage	600/1000V AC U ₀ /U
Test voltage	3400V AC
Flame retardant	
Low smoke generation	

Construction

Conductor	M-ZL M-ZLA	Tin Plated Copper (TPC) Silver Plated High Strength Alloy (HSA)	Insulation	ETFE
Shield	-		Sheath	-

Application

ETFE offers an excellent range of physical properties such as mechanical toughness, flex-life, fire performance and chemical resistance. ETFE cores are ideal for all-round general purpose use and are used extensively in both military and industrial applications.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
M-ZL 3007	30	0,06	7 x 0,10	354,30	0,30	0,61	+0,04 -0,03	0,90	3	572cc3007
M-ZL 2807	28	0,09	7 x 0,13	223,80	0,38	0,68	+0,05 -0,04	1,2	4	572cc2807
M-ZL 2619	26	0,16	19 x 0,10	131,60	0,48	0,81	±0,05	1,9	6	572cc2619
M-ZLA 2619										574cc2619
M-ZL 2419	24	0,24	19 x 0,13	83,30	0,60	0,91	+0,06 -0,05	2,8	9	572cc2419
M-ZLA 2419										574cc2419
M-ZL 2219	22	0,38	19 x 0,16	52,20	0,76	1,09	+0,06 -0,05	4,2	12	572cc2219
M-ZLA 2219										574cc2219
M-ZL 2019	20	0,60	19 x 0,20	32,00	0,97	1,30	+0,06 -0,05	6,4	16	572cc2019
M-ZLA 2019										574cc2019
M-ZL 1819	18	0,96	19 x 0,25	20,40	1,21	1,55	±0,05	9,7	22	572cc1819
M-ZL 1619	16	1,23	19 x 0,29	15,80	1,36	1,70	±0,05	12,0	27	572cc1619
M-ZL 1419	14	1,87	19 x 0,36	10,00	1,70	2,06	±0,05	19,0	37	572cc1419
M-ZL 1237	12	2,98	37 x 0,32	6,59	2,20	2,62	±0,05	31,0	50	572cc1219
M-ZL 1037	10	4,65	37 x 0,40	4,13	2,77	3,20	±0,05	48,0	69	572cc1037

Available colours (replace 'cc' in the order reference)

00 Black 11 Brown 22 Red 33 Orange 44 Yellow 55 Green 66 Blue 77 Violet 88 Grey 99 White 29 Pink 89 Natural 45 Yel/Grn

Ref: EQ_ZL_13 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	600/1000V AC U ₀ /U
Test voltage	3400V AC
Flame retardant	
Low smoke generation	

Construction

Conductor	M-ZN M-ZNA	Tin Plated Copper (TPC) Silver Plated High Strength Alloy (HSA)	Insulation	ETFE
Shield	-		Sheath	-

Application

ETFE offers an excellent range of physical properties such as mechanical toughness, flex-life, fire performance and chemical resistance. ETFE cores are ideal for all-round general purpose use and are used extensively in both military and industrial applications.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
M-ZN 3007	30	0,06	7 x 0,10	354,30	0,30	0,75	±0,05	1,2	3	573cc3007
M-ZN 2807	28	0,09	7 x 0,13	223,80	0,38	0,83	±0,05	1,6	4	573cc2807
M-ZN 2619	26	0,16	19 x 0,10	131,60	0,48	0,96	±0,05	2,3	6	573cc2619
M-ZNA 2619										575cc2619
M-ZN 2419	24	0,24	19 x 0,13	83,30	0,60	1,14	±0,05	3,4	9	573cc2419
M-ZNA 2419										575cc2419
M-ZN 2219	22	0,38	19 x 0,16	52,20	0,76	1,32	±0,05	4,9	12	573cc2219
M-ZNA 2219										575cc2219
M-ZN 2019	20	0,60	19 x 0,20	32,00	0,97	1,52	±0,05	7,3	16	573cc2019
M-ZNA 2019										575cc2019
M-ZN 1819	18	0,96	19 x 0,25	20,40	1,21	1,80	±0,05	11	22	573cc1819
ZN 1619	16	1,23	19 x 0,29	15,80	1,36	2,01	±0,05	14	27	573cc1619
ZN 1419	14	1,87	19 x 0,36	10,00	1,70	2,36	±0,05	21	37	573cc1419
ZN 1237	12	2,98	37 x 0,32	6,59	2,20	2,90	+0,07 -0,08	33	50	573cc1219
ZN 1037	10	4,65	37 x 0,40	4,13	2,82	3,53	±0,08	51	69	573cc1037
ZN 8133	8	8,60	133 x 0,29	2,30	4,20	5,05	+0,08 -0,07	90	109	573cc8133
ZN 6133	6	14,00	133 x 0,36	1,46	5,27	6,35	±0,08	140	150	573cc6133
ZN 4133	4	22,00	133 x 0,45	0,92	6,65	7,92	+0,11 -0,10	230	207	573cc4133

Available colours (replace 'cc' in the order reference)

00 Black 11 Brown 22 Red 33 Orange 44 Yellow 55 Green 66 Blue 77 Violet 88 Grey 99 White 29 Pink 89 Natural 45 Yel/Grn

Ref: EQ_ZN_13 Created: CJV Approved: AE Date: 2013-09-12

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H-WZT and H-WZ (ETFE)

≤600V
-65°C/+150°C

Single core

Voltage	H-WZ H-WZT	600/1000V AC U ₀ /U 300/500V AC U ₀ /U
Test voltage	3000V AC	
Flame retardant		
Low smoke generation		
<ul style="list-style-type: none"> Wire wrap wire 		

Construction

Conductor	Silver Plated Oxygen Free Copper (SPOFHC)	Insulation	ETFE
Shield	-	Sheath	-

Application

Offering an excellent range of physical properties such as mechanical toughness, flex-life, fire performance and chemical resistance. ETFE cores are ideal for general-purpose use and are used extensively in both military and industrial applications and is manufactured to a wide variety of standards. Available in both WZT (thin-wall, 300V) and WZ (medium wall, 600V) sizes.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-WZT 3001	30	0,05	1 x 0,25	354,00	0,25	0,55	+0,03 - 0,08	0,8	3	567cc3001
H-WZT 2801	28	0,08	1 x 0,32	223,00	0,32	0,62	±0,05	1,1	4	567cc2801
H-WZT 2601	26	0,13	1 x 0,40	140,00	0,40	0,70	±0,05	1,6	6	567cc2601
H-WZ 2601	26	0,13	1 x 0,40	140,00	0,40	0,86	±0,05	1,9	6	568cc2601
H-WZT 2401	24	0,20	1 x 0,51	86,90	0,51	0,81	±0,05	2,3	9	567cc2401
H-WZ 2401	24	0,20	1 x 0,51	86,90	0,51	0,91	±0,05	2,7	9	568cc2401
H-WZT 2201	22	0,32	1 x 0,64	55,10	0,64	0,94	±0,05	3,5	12	567cc2201
H-WZ 2201	22	0,32	1 x 0,64	55,10	0,64	1,09	±0,05	3,9	12	568cc2201
H-WZT 2001	20	0,51	1 x 0,81	34,10	0,81	1,10	±0,05	5,4	16	567cc2001
H-WZ 2001	20	0,51	1 x 0,81	34,10	0,81	1,26	±0,05	5,8	16	568cc2001

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_WZ_13 Created: CJV Approved: AE Date: 2013-09-12

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Single core - Ultra thin

Voltage	160/300V AC U ₀ /U
Test voltage	2000V AC
Flame retardant	
Low smoke generation	
• Ultra thin	

Construction

Conductor	Silver Plated High Strength Alloy (HSA) *	Insulation	FEP
Shield	-	Sheath	-

* Sizes 28 AWG and 26 AWG use Tin Plated Copper (TPC)

Application

A thin wall insulation material intended for applications up to 200°C. FEP has good electrical properties and excellent fire performance. It is the most flexible of the fluoropolymer insulations and is ideal for use in long lengths. FEP is primarily used in data and coaxial cables, as well as medical applications and control/signal cables for high temperatures.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-UKT 3601 HSA	36	0,01	1 x 0,13	1825,00	0,13	0,27	±0,02	0,25	1	585cc3601
H-UKT 3607 HSA	36	0,01	7 x 0,05	1545,00	0,15	0,32	±0,02	0,30	1	585cc3607
H-UKT 3401 HSA	34	0,02	1 x 0,16	1139,00	0,16	0,31	±0,02	0,35	2	585cc3401
H-UKT 3407 HSA	34	0,02	7 x 0,06	979,00	0,19	0,36	±0,02	0,40	2	585cc3407
H-UKT 3201 HSA	32	0,03	1 x 0,20	627,00	0,20	0,36	±0,02	0,50	3	585cc3201
H-UKT 3207 HSA	32	0,03	7 x 0,08	621,00	0,24	0,42	±0,02	0,55	3	585cc3207
H-UKT 3219 HSA	32	0,04	19 x 0,05	571,00	0,25	0,42	±0,02	0,65	3	585cc3219
H-UKT 3001 HSA	30	0,05	1 x 0,25	401,00	0,25	0,42	±0,02	0,70	4	585cc3001
H-UKT 3007 HSA	30	0,05	7 x 0,10	373,00	0,30	0,49	±0,02	0,85	4	585cc3007
H-UKT 3019 HSA	30	0,05	19 x 0,06	360,00	0,32	0,50	±0,02	0,90	4	585cc3019
H-UKT 2801	28	0,08	1 x 0,32	221,00	0,32	0,50	±0,02	1,00	5	585cc2801
H-UKT 2807	28	0,09	7 x 0,13	210,00	0,38	0,56	±0,02	1,20	5	585cc2807
H-UKT 2601	26	0,13	1 x 0,40	139,00	0,40	0,62	±0,02	1,60	7	585cc2601

Single core

Temp.	TPC SPC	-65°C to +180°C -65°C to +200°C
Voltage	250/500V AC U ₀ /U	
Test voltage	2500V AC	
Flame retardant		
Low smoke generation		
• NEMA HP-4		

Construction

Conductor	KT TPC KT	Tin Plated Copper (TPC) Silver Plated Copper (SPC)	Insulation	FEP
Shield	-		Sheath	-

Application

FEP is a thin wall insulation and jacket material intended for applications up to 200°C. FEP has good electrical properties and excellent fire performance. It is the most flexible of the fluoropolymer insulations and is ideal for use in long lengths. FEP is primarily used in data and coaxial cables, as well as for medical applications and control/signal cables for high temperature use. According to NEMA HP-4.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
KT 3201 TPC KT 3201	32	0,03	1 x 0,203	584,00	0,20	0,51	±0,05	0,7	2 3	558cc3201 561cc3201
KT 3207 TPC KT 3207	32	0,03	7 x 0,079	597,10	0,24	0,56	±0,05	0,8	2 3	558cc3207 561cc3207
KT 3219 TPC KT 3219	32	0,04	19 x 0,051	554,50	0,24	0,56	±0,05	0,8	2 3	558cc3219 561cc3219
KT 3001 TPC KT 3001	30	0,05	1 x 0,254	374,00	0,25	0,56	±0,05	0,9	3 4	558cc3001 561cc3001
KT 3007 TPC KT 3007	30	0,06	7 x 0,102	354,30	0,30	0,61	±0,05	1,0	3 4	558cc3007 561cc3007
KT 3019 TPC KT 3019	30	0,06	19 x 0,064	347,80	0,30	0,61	±0,05	1,0	3 4	558cc3019 561cc3019
KT 2801 TPC KT 2801	28	0,08	1 x 0,320	232,30	0,32	0,64	+0,05 -0,06	1,5	4 5	558cc2801 561cc2801
KT 2807 TPC KT 2807	28	0,09	7 x 0,127	223,80	0,38	0,69	±0,05	1,4	4 5	558cc2807 561cc2807
KT 2819 TPC KT 2819	28	0,09	19 x 0,079	222,10	0,37	0,69	±0,05	1,2	4 5	558cc2819 561cc2819
KT 2601 TPC KT 2601	26	0,13	1 x 0,404	146,00	0,40	0,71	±0,05	1,7	6 7	558cc2601 561cc2601
KT 2607 TPC KT 2607	26	0,14	7 x 0,160	139,80	0,48	0,79	±0,05	2,0	6 7	558cc2607 561cc2607
KT 2619 TPC KT 2619	26	0,15	19 x 0,102	131,60	0,48	0,79	±0,05	2,1	6 7	558cc2619 561cc2619
KT 2401 TPC KT 2401	24	0,20	1 x 0,511	89,20	0,51	0,81	±0,05	2,6	8 10	558cc2401 561cc2401
KT 2407 TPC KT 2407	24	0,23	7 x 0,203	86,00	0,60	0,91	+0,06 -0,05	2,9	8 10	558cc2407 561cc2407
KT 2419 TPC KT 2419	24	0,24	19 x 0,127	83,30	0,60	0,91	+0,06 -0,05	2,9	8 10	558cc2419 561cc2419
KT 0,25 TPC KT 0,25	-	0,25	14 x 0,150	76,90	0,66	0,95	±0,05	4,0	9 10	558cc0025 561cc0025
KT 2201 TPC KT 2201	22	0,32	1 x 0,643	56,40	0,64	0,95	+0,07 -0,06	3,8	12 14	558cc2201 561cc2201
KT 2207 TPC KT 2207	22	0,35	7 x 0,254	54,80	0,76	1,07	±0,05	4,4	12 14	558cc2207 561cc2207
KT 2219 TPC KT 2219	22	0,38	19 x 0,160	52,20	0,76	1,07	±0,05	4,4	12 14	558cc2219 561cc2219
KT 0,50 TPC KT 0,50 TPC KT 0,50	-	0,50	16 x 0,200 19 x 0,190 19 x 0,190	40,10	0,88 0,93 0,93	1,25	±0,05	6,0	14 14 17	558cc0050 558cc1950 561cc1950
KT 2001 TPC KT 2001	20	0,52	1 x 0,813	35,10	0,81	1,12	±0,05	5,6	16 19	558cc2001 561cc2001
KT 2007 TPC KT 2007	20	0,56	7 x 0,320	34,10	0,96	1,27	±0,05	6,3	16 19	558cc2007 561cc2007
KT 2019 TPC KT 2019	20	0,62	19 x 0,203	32,00	0,96	1,27	±0,05	6,6	16 19	558cc2019 561cc2019
KT 0,75 TPC KT 0,75 TPC KT 0,75	-	0,75	24 x 0,200 19 x 0,230 19 x 0,230	26,70	1,05 1,13 1,13	1,45	±0,05	9	19 19 22	558cc0075 558cc1975 561cc1975

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Available colours (replace 'cc' in the order reference)												
00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn

Ref: EQ_KT_13 Created: CJV Approved: AE Date: 2013-09-12
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Single core

Temp.	TPC SPC	-65°C to +180°C -65°C to +200°C
Voltage		600/1000V AC U ₀ /U
Test voltage		3400V AC
Flame retardant		
Low smoke generation		
• NEMA HP-4		

Construction

Conductor	K TPC K	Tin Plated Copper (TPC) Silver Plated Copper (SPC)	Insulation	FEP
Shield	-		Sheath	-

Application

FEP is a thin wall insulation and jacket material intended for applications up to 200°C. FEP has good electrical properties and excellent fire performance. It is the most flexible of the fluoropolymer insulations and is ideal for use in long lengths. FEP is primarily used in data and coaxial cables, as well as for medical applications and control/signal cables for high temperature use. According to NEMA HP-4.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
K 3201 TPC K 3201	32	0,03	1 x 0,203	584,00	0,20	0,71	±0,10	1,1	2 3	559cc3201 562cc3201
K 3207 TPC K 3207	32	0,03	7 x 0,079	597,10	0,24	0,76	±0,10	1,2	2 3	559cc3207 562cc3207
K 3219 TPC K 3219	32	0,04	19 x 0,051	554,50	0,24	0,76	±0,10	1,3	2 3	559cc3219 562cc3219
K 3001 TPC K 3001	30	0,05	1 x 0,254	374,00	0,25	0,76	±0,10	1,3	3 4	559cc3001 562cc3001
K 3007 TPC K 3007	30	0,06	7 x 0,102	354,30	0,30	0,81	±0,10	1,5	3 4	559cc3007 562cc3007
K 3019 TPC K 3019	30	0,06	19 x 0,064	347,80	0,30	0,81	±0,10	1,5	3 4	559cc3019 562cc3019
K 2801 TPC K 2801	28	0,08	1 x 0,320	232,30	0,32	0,84	±0,10	1,7	4 5	559cc2801 562cc2801
K 2807 TPC K 2807	28	0,09	7 x 0,127	223,80	0,38	0,89	±0,10	2,0	4 5	559cc2807 562cc2807
K 2819 TPC K 2819	28	0,09	19 x 0,079	222,10	0,37	0,89	±0,10	2,0	4 5	559cc2819 562cc2819
K 2601 TPC K 2601	26	0,13	1 x 0,404	146,00	0,40	0,91	+0,11 -0,10	2,3	6 7	559cc2601 562cc2601
K 2607 TPC K 2607	26	0,14	7 x 0,160	139,80	0,48	0,99	±0,10	2,7	6 7	559cc2607 562cc2607
K 2619 TPC K 2619	26	0,15	19 x 0,102	131,60	0,48	0,99	±0,10	2,8	6 7	559cc2619 562cc2619
K 2401 TPC K 2401	24	0,20	1 x 0,511	89,20	0,51	1,02	+0,10 -0,11	3,1	8 10	559cc2401 562cc2401
K 2407 TPC K 2407	24	0,23	7 x 0,203	86,00	0,60	1,12	±0,10	3,7	8 10	559cc2407 562cc2407
K 2419 TPC K 2419	24	0,24	19 x 0,127	83,30	0,60	1,12	±0,10	3,9	8 10	559cc2419 562cc2419
K 0,25 TPC K 0,25	-	0,25	14 x 0,150	76,90	0,66	1,15	±0,05	4,0	9 10	559cc0025 562cc0025
K 2201 TPC K 2201	22	0,32	1 x 0,643	56,40	0,64	1,16	+0,11 -0,12	4,4	12 14	559cc2201 562cc2201
K 2207 TPC K 2207	22	0,35	7 x 0,254	54,80	0,76	1,27	±0,10	5,2	12 14	559cc2207 562cc2207
K 2219 TPC K 2219	22	0,38	19 x 0,160	52,20	0,76	1,27	±0,10	5,5	12 14	559cc2219 562cc2219
K 0,5 TPC K 0,5 TPC K 0,5	-	0,50	16 x 0,200 19 x 0,190 19 x 0,190	40,10	0,88 0,93 0,93	1,45	±0,05	7,0	14 14 17	559cc0050 559cc1950 562cc1950
K 2001 TPC K 2001	20	0,52	1 x 0,813	35,10	0,81	1,32	±0,10	6,5	16 19	559cc2001 562cc2001
K 2007 TPC K 2007	20	0,56	7 x 0,320	34,10	0,96	1,47	±0,10	7,5	16 19	559cc2007 562cc2007
K 2019 TPC K 2019	20	0,62	19 x 0,203	32,00	0,96	1,47	±0,10	8,1	16 19	559cc2019 562cc2019
K 0,75 TPC K 0,75 TPC K 0,75	-	0,75	24 x 0,200 19 x 0,230 19 x 0,230	26,70	1,05 1,13 1,13	1,65	±0,05	10,0	19 19 22	559cc0075 559cc1975 562cc1975
K 1801 TPC K 1801	18	0,82	1 x 1,024	22,20	1,02	1,55	±0,13	9,6	22 27	559cc1801 562cc1801
K 1807 TPC K 1807	18	0,90	7 x 0,404	21,50	1,21	1,75	+0,13 -0,12	11,1	22 27	559cc1807 562cc1807

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_K_13 Created: CJV Approved: AE Date: 2013-09-12

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K (FEP)

600V
-65°C/+180°C and +200°C

Single core

Temp.	TPC SPC	-65°C to +180°C -65°C to +200°C
Voltage	600/1000V AC U ₀ /U	
Test voltage	3400V AC	
Flame retardant		
Low smoke generation		
• NEMA HP-4		

Construction

Conductor	K TPC K	Tin Plated Copper (TPC) Silver Plated Copper (SPC)	Insulation	FEP
Shield	-		Sheath	-

Application

FEP is a thin wall insulation and jacket material intended for applications up to 200°C. FEP has good electrical properties and excellent fire performance. It is the most flexible of the fluoropolymer insulations and is ideal for use in long lengths. FEP is primarily used in data and coaxial cables, as well as for medical applications and control/signal cables for high temperature use. According to NEMA HP-4.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
K 1819 TPC K 1819	18	0,96	19 x 0,254	20,40	1,20	1,75	+0,13 -0,12	11,4	22 27	559cc1819 562cc1819
K 1,0 TPC K 1,0	-	1,00	32 x 0,20	20,00	1,20	1,80	±0,05	13,0	22 27	559cc0100 562cc0100
K 1601 TPC K 1601	16	1,31	1 x 1,290	14,00	1,29	1,88	±0,18	14,7	27 32	559cc1601 562cc1601
K 1619 TPC K 1619	16	1,23	19 x 0,287	15,80	1,36	2,03	±0,18	14,8	27 32	559cc1619 562cc1619
K 1,5 TPC K 1,5	-	1,50	30 x 0,250	13,70	1,50	2,08	±0,05	17,0	30 35	559cc0150 562cc0150
K 1419 TPC K 1419	14	1,94	19 x 0,361	10,00	1,71	2,41	+0,18 -0,17	22,3	36 43	559cc1419 562cc1419
K 2,5 TPC K 2,5	-	2,50	50 x 0,25	8,21	1,95	2,58	±0,05	28,0	42 50	559cc0250 562cc0250
K 1219 TPC K 1219	12	3,08	19 x 0,455	6,30	2,15	2,90	+0,17 -0,18	34,0	50 59	559cc1219 562cc1219
K 1237 TPC K 1237	12	2,98	37 x 0,320	6,59	2,24	2,84	+0,18 -0,17	34,2	50 59	559cc1237 562cc1237
K 4 TPC K 4	-	4,00	56 x 0,300	5,09	2,48	3,13	±0,05	42,0	59 70	559cc0400 562cc0400
K 1037 TPC K 1037	10	4,74	37 x 0,404	4,13	2,82	3,40	+0,18 -0,17	50,7	68 81	559cc1037 562cc1037
K 6 TPC K 6	-	6,00	84 x 0,300	3,39	2,92	3,83	±0,05	62,0	77 92	559cc0600 562cc0600
K 8133 TPC K 8133	8	8,61	133 x 0,287	2,30	4,10	4,88	+0,17 -0,18	90,7	109 129	559cc8133 562cc8133

Available colours (replace 'cc' in the order reference)

00 Black 11 Brown 22 Red 33 Orange 44 Yellow 55 Green 66 Blue 77 Violet 88 Grey 99 White 29 Pink 89 Natural 45 Yel/Grn

Ref: EQ_K_13 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Temp.	TPC SPC	-65°C to +180°C -65°C to +200°C
Voltage	1000/1900V AC	
Test voltage	5000V AC	
Flame retardant		
Low smoke generation		
• NEMA HP-4		

Construction

Conductor	KK TPC KK	Tin Plated Copper (TPC) Silver Plated Copper (SPC)	Insulation	FEP
Shield	-		Sheath	-

Application

FEP is a thin wall insulation and jacket material intended for applications up to 200°C. FEP has good electrical properties and excellent fire performance. It is the most flexible of the fluoropolymer insulations and is ideal for use in long lengths. FEP is primarily used in data and coaxial cables, as well as for medical applications and control/signal cables for high temperature use. According to NEMA HP-4.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
KK 3201 TPC KK 3201	32	0,03	1 x 0,20	584,00	0,20	0,94	±0,10	1,8	2 3	560cc3201 563cc3201
KK 3207 TPC KK 3207	32	0,03	7 x 0,08	597,10	0,24	0,99	±0,10	1,9	2 3	560cc3207 563cc3207
KK 3219 TPC KK 3219	32	0,04	19 x 0,05	554,50	0,24	0,99	±0,10	1,9	2 3	560cc3219 563cc3219
KK 3001 TPC KK 3001	30	0,05	1 x 0,25	374,00	0,25	1,02	+0,10 -0,11	2,1	3 4	560cc3001 563cc3001
KK 3007 TPC KK 3007	30	0,06	7 x 0,10	354,30	0,30	1,07	±0,10	2,3	3 4	560cc3007 563cc3007
KK 3019 TPC KK 3019	30	0,06	19 x 0,06	347,80	0,30	1,07	±0,10	2,3	3 4	560cc3019 563cc3019
KK 2801 TPC KK 2801	28	0,08	1 x 0,32	232,30	0,32	1,09	±0,10	2,5	4 5	560cc2801 563cc2801
KK 2807 TPC KK 2807	28	0,09	7 x 0,13	223,80	0,38	1,14	±0,10	2,7	4 5	560cc2807 563cc2807
KK 2819 TPC KK 2819	28	0,09	19 x 0,08	222,10	0,37	1,14	±0,10	2,7	4 5	560cc2819 563cc2819
KK 2601 TPC KK 2601	26	0,13	1 x 0,40	146,00	0,40	1,17	±0,10	3,2	6 7	560cc2601 563cc2601
KK 2607 TPC KK 2607	26	0,14	7 x 0,16	139,80	0,48	1,24	+0,11 -0,10	3,5	6 7	560cc2607 563cc2607
KK 2619 TPC KK 2619	26	0,15	19 x 0,10	131,60	0,48	1,24	+0,11 -0,10	3,6	6 7	560cc2619 563cc2619
KK 2401 TPC KK 2401	24	0,20	1 x 0,51	89,20	0,51	1,27	±0,10	4,1	8 10	560cc2401 563cc2401
KK 2407 TPC KK 2407	24	0,23	7 x 0,20	86,00	0,60	1,37	±0,10	4,6	8 10	560cc2407 563cc2407
KK 2419 TPC KK 2419	24	0,24	19 x 0,13	83,30	0,60	1,37	±0,10	4,7	8 10	560cc2419 563cc2419
KK 0,25 TPC KK 0,25	-	0,25	14 x 0,15	76,90	0,66	1,38	±0,10	4	9 10	560cc0025 563cc0025
KK 2201 TPC KK 2201	22	0,32	1 x 0,64	56,40	0,64	1,41	±0,11	5,6	12 14	560cc2201 563cc2201
KK 2207 TPC KK 2207	22	0,35	7 x 0,25	54,80	0,76	1,52	+0,11 -0,10	6,1	12 14	560cc2207 563cc2207
KK 2219 TPC KK 2219	22	0,38	19 x 0,16	52,20	0,76	1,52	+0,11 -0,10	6,4	12 14	560cc2219 563cc2219
KK 0,50 TPC KK 0,50 TPC KK 0,50	-	0,50	16 x 0,20 19 x 0,19 19 x 0,19	40,10	0,88 0,93	1,68	±0,10	7	14 14 17	560cc0050 560cc1950 563cc1950
KK 2001 TPC KK 2001	20	0,52	1 x 0,81	35,10	0,81	1,57	+0,11 -0,10	7,7	16 19	560cc2001 563cc2001
KK 2007 TPC KK 2007	20	0,56	7 x 0,32	34,10	0,96	1,73	±0,10	8,5	16 19	560cc2007 563cc2007
KK 2019 TPC KK 2019	20	0,62	19 x 0,20	32,00	0,96	1,73	±0,10	9,0	16 19	560cc2019 563cc2019
KK 0,75 TPC KK 0,75 TPC KK 0,75	-	0,75	24 x 0,20 19 x 0,23 19 x 0,23	26,70	1,05 1,13 1,13	1,90	±0,10	11	19 19 22	560cc0075 560cc1975 563cc1975
KK 1801 TPC KK 1801	18	0,82	1 x 1,02	22,20	1,02	1,80	+0,13 -0,12	11,2	22 27	560cc1801 563cc1801
KK 1807 TPC KK 1807	18	0,90	7 x 0,40	21,50	1,21	2,01	+0,12 -0,13	12,6	22 27	560cc1807 563cc1807

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_KK_13 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Temp.	TPC SPC	-65°C to +180°C -65°C to +200°C
Voltage	1000/1900V AC U ₀ /U	
Test voltage	5000V AC	
Flame retardant		
Low smoke generation		
• NEMA HP-4		

Construction

Conductor	KK TPC KK	Tin Plated Copper (TPC) Silver Plated Copper (SPC)	Insulation	FEP
Shield	-		Sheath	-

Application

FEP is a thin wall insulation and jacket material intended for applications up to 200°C. FEP has good electrical properties and excellent fire performance. It is the most flexible of the fluoropolymer insulations and is ideal for use in long lengths. FEP is primarily used in data and coaxial cables, as well as for medical applications and control/signal cables for high temperature use. According to NEMA HP-4.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
KK 1819 TPC KK 1819	18	0,96	19 x 0,25	20,40	1,20	2,01	+0,12 -0,13	13,0	22 27	560cc1819 563cc1819
KK 1,0 TPC KK 1,0	-	1,00	32 x 0,20	20,00	1,20	2,05	±0,12	12	22 27	560cc0100 563cc0100
KK 1601 TPC KK 1601	16	1,31	1 x 1,29	14,00	1,29	2,11	±0,15	16,3	27 32	560cc1601 563cc1601
KK 1619 TPC KK 1619	16	1,23	19 x 0,29	15,80	1,36	2,26	±0,15	16,5	27 32	560cc1619 563cc1619
KK 1,5 TPC KK 1,5	-	1,50	30 x 0,25	13,70	1,50	2,35	±0,15	20	30 35	560cc0150 563cc0150
KK 1419 TPC KK 1419	14	1,94	19 x 0,36	10,00	1,71	2,69	+0,21 -0,20	24,7	36 43	560cc1419 563cc1419
KK 2,5 TPC KK 2,5	-	2,50	50 x 0,25	8,21	1,95	2,88	±0,20	30	42 50	560cc0250 563cc0250
KK 1219 TPC KK 1219	12	3,08	19 x 0,45	6,30	2,15	3,18	+0,20 -0,21	36,8	50 59	560cc1219 563cc1219
KK 1237 TPC KK 1237	12	2,98	37 x 0,32	6,59	2,24	3,12	+0,21 -0,20	37,0	50 59	560cc1237 563cc1237
KK 4 TPC KK 4	-	4,00	56 x 0,30	5,09	2,48	3,45	±0,20	47	59 70	560cc0400 563cc0400
KK 1037 TPC KK 1037	10	4,74	37 x 0,40	4,13	2,82	3,68	+0,21 -0,20	54,1	68 81	560cc1037 563cc1037
KK 6 TPC KK 6	-	6,00	84 x 0,30	3,39	2,92	4,24	±0,25	66	77 92	560cc0600 563cc0600
KK 8133 TPC KK 8133	8	8,61	133 x 0,29	2,30	4,10	5,31	+0,15 -0,16	98,1	109 129	560cc8133 563cc8133
KK 10 TPC KK 10	-	10,00	80 x 0,40	1,95	3,93	5,48	±0,20	112	115 136	560cc1000 563cc1000
KK 6133 TPC KK 6133	6	12,59	133 x 0,36	1,46	5,13	7,45	+0,20 -0,19	174,0	149 177	560cc6133 563cc6133
KK 16 TPC KK 16	-	16,00	128 x 0,40	1,24	5,70	7,45	±0,20	166	167	560cc1600
KK 4133 TPC KK 4133	4	21,59	133 x 0,45	0,92	6,75	9,12	+0,25 -0,26	267,0	230 244	560cc4133 563cc4133
KK 25 TPC KK 25	-	25,00	196 x 0,40	0,80	7,20	8,60	±0,25	300	229 240	560cc2500 563cc2500
KK 2665 TPC KK 2665	2	33,70	665 x 0,25	0,60	8,51	10,29	+0,25 -0,26	376,0	271 298	560cc2665 563cc2665
KK 35 TPC KK 35	-	35,00	278 x 0,40	0,57	8,40	9,95	±0,25	340	274	560cc3500
KK 1817 TPC KK 1817	1	41,40	817 x 0,25	0,49	9,60	12,32	±0,25	-	325 350	560cc1817 563cc1817
KK 50 TPC KK 50	-	50,00	399 x 0,40	0,39	10,70	10,90	±0,30	475	363	560cc5000
KK 70 TPC KK 70	-	70,00	560 x 0,40	0,28	12,40	13,85	±0,35	660	435	560cc7000
KK 95 TPC KK 95	-	95,00	760 x 0,40	0,21	14,30	16,10	±0,40	990	525	560cc9500

Available colours (replace 'cc' in the order reference)

00 Black 11 Brown 22 Red 33 Orange 44 Yellow 55 Green 66 Blue 77 Violet 88 Grey 99 White 29 Pink 89 Natural 45 Yel/Grn

Ref: EQ_KK_13 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	See table below
Test voltage	See table below
Flame retardant	
Low smoke generation	
• High voltage	

Construction

Conductor	Silver Plated Copper (SPC)	Insulation	FEP
Shield	-	Sheath	-

Application

FEP is a thin wall insulation and jacket material intended for applications up to 200°C. FEP has good electrical properties and excellent fire performance. It is the most flexible of the fluoropolymer insulations and is ideal for use in long lengths. The same properties that make FEP ideal for use in data and coaxial cables also gives it excellent high voltage properties.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
F25 HV 2619	26	0,16	19 x 0,10	122,40	0,50	2,40	±0,10	11	2,0 kV 6,0 kV	11280-001-04
F25 HV 2419	24	0,22	19 x 0,13	77,40	0,60	2,50	±0,20	12	2,0 kV 5,0 kV	700030802
F25 HV 2219	22	0,34	19 x 0,16	48,60	0,80	2,95	±0,25	17	2,5 kV 5,0 kV	700030801
F25 HV 2019	20	0,60	19 x 0,20	29,90	0,96	3,20	±0,25	23	2,5 kV 5,0 kV	700044943
F25 HV 1819	18	0,96	19 x 0,25	19,00	1,21	3,80	±0,20	30	2,5 kV 5,0 kV	11280-001-20
F25 HV 1619	16	1,23	19 x 0,29	14,90	1,43	3,90	±0,20	34	2,5 kV 5,0 kV	11280-001-02
F25 HV 1,5	-	1,50	19 x 0,32	13,70	1,52	3,50	±0,20	31	3,0 kV 6,0 kV	700018242
F25 HV 1419	14	1,87	19 x 0,36	9,42	1,70	4,60	±0,30	49	5,0 kV 10,0 kV	11280-001-18
F25 HV 2,5	-	2,50	50 x 0,25	8,21	1,95	4,90	±0,30	55	5,0 kV 10,0 kV	700011396
F25 HV 1237	12	2,97	37 x 0,32	6,20	2,40	5,40	±0,30	60	5,0 kV 10,0 kV	700011395
F25 HV 4,0	-	4,00	56 x 0,30	5,09	2,60	5,30	±0,30	70	5,0 kV 10,0 kV	700016507
F25 HV 6,0	-	6,00	84 x 0,30	3,39	3,20	5,80	±0,30	95	5,0 kV 10,0 kV	700016508

Available colours

Each item has a unique reference and colour. See original drawing for details. Other colours are available, please contact sales for more information.

Ref: EQ_F25_12 Created: CJV Approved: AE Date: 2013-09-12

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H-WKT and H-WK (FEP)

≤600V
-65°C/+200°C

Single core - Wire wrap wire

Voltage	H-WK H-WKT	600/1000V AC U ₀ /U 300/500V AC U ₀ /U
Test voltage		3000V AC
Flame retardant		
Low smoke generation		
• Wire wrap wire		

Construction

Conductor	Silver Plated Oxygen Free Copper (SPOFHC)	Insulation	FEP
Shield	-	Sheath	-

Application

A thin wall insulation material intended for applications up to 200°C. FEP has good electrical properties and excellent fire performance. It is the most flexible of the fluoropolymer insulations and is ideal for use in long lengths. FEP is primarily used in data and coaxial cables, as well as medical applications and control/signal cables for high temperatures. Available in both WKT (thin-wall, 300V) and WK (medium wall, 600V) sizes.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-WKT 3001	30	0,05	1 x 0,25	354,00	0,25	0,57	± 0,02	0,8	4	582cc3001
H-WKT 2801	28	0,08	1 x 0,32	223,00	0,32	0,66	± 0,02	1,1	5	582cc2801
H-WKT 2601	26	0,13	1 x 0,40	140,00	0,40	0,79	± 0,02	1,9	7	582cc2601
H-WK 2401	24	0,20	1 x 0,51	86,90	0,51	1,07	± 0,02	2,5	10	582cc2401
H-WK 2201	22	0,32	1 x 0,64	55,10	0,64	1,22	± 0,02	3,7	14	582cc2201
H-WK 2001	20	0,51	1 x 0,81	34,10	0,81	1,42	± 0,03	5,6	19	582cc2001
H-WK 1801	18	0,81	1 x 1,02	21,60	1,02	1,65	± 0,04	9,6	27	582cc1801

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_WK_12 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	600/1000V AC U ₀ /U
Test voltage	3000V AC
Flame retardant	
Halogen free	
Low smoke generation	

Construction

Conductor	Tin Plated Copper (TPC)	Insulation	HFI 121 XL
Shield	-	Sheath	-

Application

XC power cores use low smoke halogen free (LSZH) and fire resistant materials. HFI 121 XL insulation is cross-linked for improved physical stability and performance and is intended for use as a general purpose insulation.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
XC 0,5	-	0,50	16 x 0,20	40,10	0,88	2,50	±0,10	10,3	12	911cc0050
XC 0,75	-	0,75	24 x 0,20	26,70	1,05	2,65	±0,10	13,0	16	911cc0075
XC 1,0	-	1,00	32 x 0,20	20,00	1,20	2,80	±0,10	15,7	19	911cc0100
XC 1,5	-	1,50	30 x 0,25	13,70	1,50	3,10	±0,10	21,3	25	911cc0150
XC 2,5	-	2,50	50 x 0,25	8,21	1,95	3,55	±0,10	31,2	36	911cc0250
XC 4	-	4,00	56 x 0,30	5,09	2,48	4,10	±0,10	47,2	51	911cc0400
XC 6	-	6,00	84 x 0,30	3,39	2,92	4,55	±0,10	65,8	66	911cc0600
XC 10	-	10,00	80 x 0,40	1,95	3,93	5,55	±0,15	107,2	95	911cc1000
XC 16	-	16,00	126 x 0,40	1,24	5,70	7,70	±0,15	172,2	130	911cc1600
XC 25	-	25,00	196 x 0,40	0,79	7,20	9,20	±0,15	258,5	165	911cc2500
XC 35	-	35,00	278 x 0,40	0,56	8,40	10,80	±0,30	367,5	205	911cc3500
XC 50	-	50,00	399 x 0,40	0,39	10,30	12,90	±0,30	518,5	260	911cc5000
XC 70	-	70,00	361 x 0,50	0,28	12,40	15,00	±0,30	718,0	320	911cc7000
XC 95	-	95,00	475 x 0,50	0,21	14,30	17,10	±0,30	939,5	395	911cc9500
XC 120	-	120,00	629 x 0,50	0,16	16,00	19,00	±0,30	1231,0	470	911cc9120
XC 150	-	150,00	777 x 0,50	0,13	18,00	21,20	±0,30	1517,0	555	911cc9150

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	-	45 Yel/Grn
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Ref: EQ_XC_12 Created: CJV Approved: AE Date: 2013-09-12

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H-DX (HFI 140 XL)

600V
-50°C/+120°C

Single core

Voltage	600/1000V AC U ₀ /U
Test voltage	3000V AC
Flame retardant	
Halogen free	
Low smoke generation	
Radiation tolerant	10 ⁶ Gy

- Based on Def Stan 61-12 Part 18

Construction

Conductor	Tin Plated Copper (TPC)	Insulation	Dual wall HFI 140 XL
Shield	-	Sheath	-

Application

Based on the HFI 140 (Def Stan 61-12 Part 18 approved) wire, Habia's HFI 140 XL adds additional electron-beam irradiation for even greater thermal stability and mechanical toughness.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-DX 3001	30	0,05	1 x 0,25	383,50	0,25	0,65	+0,05 -0,10	0,9	3	470cc3001
H-DX 3007	30	0,06	7 x 0,10	336,00	0,30	0,70	+0,05 -0,10	1,1	3	470cc3007
H-DX 2807	28	0,09	7 x 0,12	259,00	0,38	0,78	+0,05 -0,10	1,5	4	470cc2807
H-DX 2601	26	0,12	1 x 0,40	145,60	0,40	0,80	+0,05 -0,10	2,0	5	470cc2601
H-DX 2619	26	0,15	19 x 0,10	141,50	0,48	0,88	+0,07 -0,08	2,9	5	470cc2619
H-DX 2419	24	0,24	19 x 0,12	95,60	0,60	1,00	+0,05 -0,10	3,4	7	470cc2419
H-DX 2301	23	0,28	1 x 0,60	64,00	0,60	1,00	+0,05 -0,10	3,9	7	470cc2301
H-DX 2219	22	0,40	19 x 0,15	60,00	0,76	1,16	+0,04 -0,11	4,9	10	470cc2219
H-DX 0,5	-	0,50	16 x 0,20	40,10	0,88	1,28	±0,10	5,3	12	470cc0050
H-DX 2001	20	0,52	1 x 0,81	35,21	0,81	1,21	±0,10	5,5	12	470cc2001
H-DX 2019	20	0,60	19 x 0,20	33,20	0,96	1,36	+0,14 -0,06	7,5	14	470cc2019
H-DX 1901	19	0,63	1 x 0,90	28,50	0,90	1,30	+0,05 -0,10	7,9	14	470cc1901
H-DX 0,75	-	0,75	24 x 0,20	26,70	1,05	1,45	+0,13 -0,07	7,7	16	470cc0075
H-DX 1801	18	0,82	1 x 1,02	22,23	1,02	1,45	+0,13 -0,07	8,4	16	470cc1801
H-DX 1819	18	1,00	19 x 0,25	21,10	1,20	1,60	±0,05	10,4	19	470cc1819
H-DX 1,0	-	1,00	32 x 0,20	20,00	1,20	1,60	+0,15 -0,05	9,5	19	470cc0100
H-DX 1619	16	1,20	19 x 0,30	14,50	1,42	1,82	+0,18 -0,02	16,5	23	470cc1619
H-DX 1,5	-	1,50	30 x 0,25	13,70	1,50	2,00	+0,12 -0,08	15,1	26	470cc0150
H-DX 1437	14	2,00	37 x 0,25	10,90	1,75	2,25	±0,10	20,7	32	470cc1437
H-DX 2,5	-	2,50	50 x 0,25	8,21	1,95	2,45	±0,10	23,2	37	470cc0250
H-DX 1237	12	2,60	37 x 0,30	7,60	2,10	2,60	±0,10	27,1	43	470cc1237
H-DX 4	-	4,00	56 x 0,30	5,09	2,48	3,20	±0,05	40,0	52	470cc0400
H-DX 6	-	6,00	84 x 0,30	3,39	2,92	4,00	±0,05	61,4	68	470cc0600
H-DX 10	-	10,00	80 x 0,40	1,95	3,93	5,10	±0,05	106,5	101	470cc1000

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_DX_01 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	600/1000V AC U ₀ /U
Test voltage	3000V AC
Flame retardant	
Halogen free	
Low smoke generation	

Construction

Conductor	Tin Plated Copper (TPC)	Insulation	HFI 147
Shield	-	Sheath	-

Application

HFI 147 is intended as Habia's next generation Low Smoke Zero Halogen (LSZH) and flame retardant, general purpose insulation material.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-RN 3007	30	0,06	7 x 0,10	355,00	0,30	0,70	±0,07	1,1	3	913cc3007
H-RN 2807	28	0,09	7 x 0,13	225,00	0,38	0,78	±0,07	1,5	4	913cc2807
H-RN 2619	26	0,15	19 x 0,10	135,00	0,48	0,88	±0,07	2,9	6	913cc2619
H-RN 2419	24	0,24	19 x 0,13	85,90	0,60	1,00	±0,07	3,4	8	913cc2419
H-RN 2219	22	0,40	19 x 0,16	53,10	0,76	1,16	±0,07	4,9	11	913cc2219
H-RNM 0,5	-	0,50	16 x 0,20	40,10	0,88	1,28	±0,07	5,3	13	913cc0050
H-RN 2019	20	0,60	19 x 0,20	32,40	0,96	1,36	±0,07	7,5	15	913cc2019
H-RNM 0,75	-	0,75	24 x 0,20	26,70	1,05	1,45	±0,10	7,7	17	913cc0075
H-RN 1819	18	1,00	19 x 0,25	20,40	1,20	1,60	±0,10	10,4	20	913cc1819
H-RNM 1,0	-	1,00	32 x 0,20	20,00	1,20	1,60	±0,10	9,5	20	913cc0100
H-RN 1619	16	1,20	19 x 0,29	15,70	1,36	1,86	±0,10	16,5	24	913cc1619
H-RNM 1,5	-	1,50	30 x 0,25	13,70	1,50	2,00	±0,10	15,1	27	913cc0150
H-RN 1419	14	2,00	19 x 0,36	10,00	1,71	2,21	±0,10	20,7	33	913cc1437
H-RNM 2,5	-	2,50	50 x 0,25	8,21	1,95	2,45	±0,10	23,2	38	913cc0250
H-RN 1237	12	2,60	37 x 0,32	6,62	2,20	2,70	±0,10	27,1	44	913cc1237

Single core

Voltage	600/1000V AC U ₀ /U
Test voltage	3000V AC
Flame retardant	
Halogen free	
Low smoke generation	
Radiation tolerant	>10 ⁶ Gy

Construction

Conductor	Tin Plated Copper (TPC)
Shield	-

Insulation	HFI 150
Sheath	-

Application

HFI 150 Single core equipment wires are available in both AWG and metric (Class 5) sizes. Primarily used within the nuclear sector and as part of the Habiatron range thanks to its Flame Retardant (FR), Low Smoke, Halogen Free (LSZH) and highly radiation tolerant (Rad Tol) properties. It is commonly used for control, signal and instrumentation applications.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-B 3007	30	0,06	7 x 0,10	354,30	0,30	0,90	±0,07	1,2	3	540cc3007
H-B 2807	28	0,09	7 x 0,13	223,80	0,38	0,98	±0,07	1,6	4	540cc2807
H-B 2619	26	0,16	19 x 0,10	131,60	0,48	1,08	±0,08	2,3	6	540cc2619
H-B 2419	24	0,24	19 x 0,13	83,30	0,60	1,30	±0,10	3,4	8	540cc2419
H-B 2219	22	0,38	19 x 0,16	52,20	0,76	1,46	±0,10	4,8	11	540cc2219
H-BM 0,5	-	0,50	16 x 0,20	40,10	0,88	1,58	±0,10	6,1	13	542cc0050
H-B 2019	20	0,60	19 x 0,20	32,00	0,96	1,66	±0,10	7,2	15	540cc2019
H-BM 0,75	-	0,75	24 x 0,20	26,70	1,05	1,75	±0,10	8,5	17	542cc0075
H-B 1819	18	0,96	19 x 0,25	20,40	1,21	1,91	±0,10	11,0	20	540cc1819
H-BM 1,0	-	1,00	32 x 0,20	20,00	1,20	1,90	±0,10	11,0	20	542cc0100
H-B 1619	16	1,23	19 x 0,29	15,80	1,36	2,16	±0,15	14,0	24	540cc1619
H-BM 1,5	-	1,50	30 x 0,25	13,70	1,52	2,42	±0,15	18,0	27	542cc0150
H-B 1419	14	1,87	19 x 0,36	10,00	1,70	2,50	±0,15	21,0	33	540cc1419
H-BM 2,5	-	2,50	50 x 0,25	8,21	2,00	2,90	±0,15	27,0	38	542cc0250
H-B 1237	12	2,98	37 x 0,32	2,20	2,20	3,10	±0,15	33,0	44	540cc1237
H-BM 4	-	4,00	56 x 0,30	5,09	2,48	3,48	±0,15	42,0	53	542cc0400
H-B 1037	10	4,65	37 x 0,40	4,13	2,77	3,77	±0,15	49,0	61	540cc1037
H-BM 6	-	6,00	84 x 0,30	3,39	2,92	3,90	±0,15	61,0	69	542cc0600
H-B 8133	8	8,60	133 x 0,29	2,30	4,20	5,20	±0,15	85,0	96	540cc8133
H-BM 10	-	10,00	80 x 0,40	1,95	3,93	5,03	±0,20	100,0	103	542cc1000
H-B 6133	6	13,60	133 x 0,36	1,46	5,27	6,47	±0,15	134,0	133	540cc6133
H-BM 16	-	16,00	126 x 0,40	1,24	5,80	7,00	±0,20	156,0	149	542cc1600
H-B 4133	4	21,60	133 x 0,45	0,92	6,65	8,05	±0,15	212,0	183	540cc4133
H-BM 25	-	25,00	196 x 0,40	0,79	7,20	8,60	±0,30	243,0	203	542cc2500
H-BM 35	-	35,00	278 x 0,40	0,56	8,70	10,5	±0,30	345,0	tbc	542cc3500
H-BM 50	-	50,00	399 x 0,40	0,39	10,7	12,7	±0,40	490,0	tbc	542cc5000

Available colours (replace 'cc' in the order reference)

00 Black 11 Brown 22 Red 33 Orange 44 Yellow 55 Green 66 Blue 77 Violet 88 Grey 99 White 29 Pink - 45 Yel/Grn

Ref: EQ_B_13 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	300/500V AC U ₀ /U
Test voltage	2000V AC
Flame retardant	
Low smoke generation	

Construction

Conductor	Silver Plated Copper (SPC)	Insulation	PFA
Shield	-	Sheath	-

Application

PFA is a thin wall insulation and jacketing materials, intended for applications up to 260°C. Sharing many of the properties of PTFE, the high temperature rating and low out-gassing properties of PFA see it used particularly in industrial applications such as gas turbines and under vacuum conditions.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-AT 3201	32	0,03	1 x 0,203	544,60	0,20	0,50	±0,05	0,7	3	547cc3201
H-AT 3207	32	0,03	7 x 0,079	557,70	0,24	0,56	±0,05	0,8	3	547cc3207
H-AT 3001	30	0,05	1 x 0,254	347,80	0,25	0,55	±0,05	0,9	4	547cc3001
H-AT 3007	30	0,06	7 x 0,102	328,10	0,30	0,60	±0,05	1,0	4	547cc3007
H-AT 2807	28	0,09	7 x 0,127	208,70	0,38	0,70	±0,05	1,5	6	547cc2807
H-AT 2619	26	0,16	19 x 0,102	122,40	0,48	0,80	±0,05	2,2	8	547cc2619
H-AT 2419	24	0,24	19 x 0,127	77,40	0,60	0,90	±0,05	3,2	11	547cc2419
H-AT 2219	22	0,38	19 x 0,160	48,60	0,76	1,08	±0,05	4,7	14	547cc2219
H-AT 2019	20	0,62	19 x 0,203	29,90	0,96	1,28	±0,07	7,1	19	547cc2019

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_AT_13 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	600/1000V AC U ₀ /U
Test voltage	3400V AC
Flame retardant	
Low smoke generation	

Construction

Conductor	Silver Plated Copper (SPC)	Insulation	PFA
Shield	-	Sheath	-

Application

PFA is a thin wall insulation and jacketing materials, intended for applications up to 260°C. Sharing many of the properties of PTFE, the high temperature rating and low out-gassing properties of PFA see it used particularly in industrial applications such as gas turbines and under vacuum conditions.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-A 3201	32	0,03	1 x 0,203	544,60	0,20	0,74	±0,07	1,1	3	548cc3201
H-A 3207	32	0,03	7 x 0,079	557,70	0,24	0,76	±0,07	1,2	3	548cc3207
H-A 3001	30	0,05	1 x 0,254	347,80	0,25	0,75	±0,07	1,3	4	548cc3001
H-A 3007	30	0,06	7 x 0,102	328,10	0,30	0,80	±0,07	1,5	4	548cc3007
H-A 2807	28	0,09	7 x 0,127	208,70	0,38	0,90	±0,07	2,0	6	548cc2807
H-A 2619	26	0,16	19 x 0,102	122,40	0,48	1,00	±0,07	2,8	8	548cc2619
H-A 2419	24	0,24	19 x 0,127	77,40	0,60	1,12	±0,10	3,9	11	548cc2419
H-A 2219	22	0,38	19 x 0,160	48,60	0,76	1,28	±0,10	5,5	14	548cc2219
H-A 2019	20	0,62	19 x 0,203	29,90	0,96	1,48	±0,10	8,1	19	548cc2019
H-A 1819	18	0,96	19 x 0,254	19,00	1,20	1,74	±0,10	12,0	27	548cc1819
H-A 1619	16	1,23	19 x 0,287	14,90	1,36	2,02	±0,13	16,0	32	548cc1619
H-A 1419	14	1,94	19 x 0,361	9,42	1,71	2,43	±0,13	23,0	43	548cc1419
H-A 1219	12	2,98	19 x 0,455	5,94	2,14	2,90	±0,13	33,0	59	548cc1219
H-A 1037	10	4,74	37 x 0,404	3,90	2,82	3,42	±0,13	52,0	82	548cc1037

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_A_13 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	1000/1900V AC U ₀ /U
Test voltage	5000V AC
Flame retardant	
Low smoke generation	

Construction

Conductor	Silver Plated Copper (SPC)	Insulation	PFA
Shield	-	Sheath	-

Application

PFA is a thin wall insulation and jacketing materials, intended for applications up to 260°C. Sharing many of the properties of PTFE, the high temperature rating and low out-gassing properties of PFA see it used particularly in industrial applications such as gas turbines and under vacuum conditions.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-AA 3201	32	0,03	1 x 0,203	544,60	0,20	0,96	±0,10	1,8	3	549cc3201
H-AA 3207	32	0,03	7 x 0,079	557,70	0,24	1,02	±0,10	2,0	3	549cc3207
H-AA 3001	30	0,05	1 x 0,254	347,80	0,25	1,01	±0,10	2,1	4	549cc3001
H-AA 3007	30	0,06	7 x 0,102	328,10	0,30	1,06	±0,10	2,3	4	549cc3007
H-AA 2807	28	0,09	7 x 0,127	208,70	0,38	1,14	±0,10	2,5	6	549cc2807
H-AA 2619	26	0,16	19 x 0,102	122,40	0,48	1,24	±0,10	3,2	8	549cc2619
H-AA 2419	24	0,24	19 x 0,127	77,40	0,60	1,36	±0,10	4,4	11	549cc2419
H-AA 2219	22	0,38	19 x 0,160	48,60	0,76	1,52	±0,10	6,7	14	549cc2219
H-AA 2019	20	0,62	19 x 0,203	29,90	0,96	1,72	±0,10	9,5	19	549cc2019
H-AA 1819	18	0,96	19 x 0,254	19,00	1,20	2,00	±0,13	12,5	27	549cc1819
H-AA 1619	16	1,23	19 x 0,287	14,90	1,36	2,26	±0,13	15,0	32	549cc1619
H-AA 1419	14	1,94	19 x 0,361	9,42	1,71	2,69	±0,16	24,0	43	549cc1419
H-AA 1219	12	2,98	19 x 0,455	5,94	2,14	3,17	±0,16	36,0	59	549cc1219
H-AA 1037	10	4,74	37 x 0,404	3,90	2,82	3,78	±0,16	51,0	82	549cc1037
H-AA 8133	8	8,60	133 x 0,287	2,17	4,10	5,38	±0,16	94,0	129	549cc8133
H-AA 6133	6	13,61	133 x 0,361	1,37	5,15	7,55	±0,16	176,3	178	549cc6133

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_AA_13 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Temp.	SPC NPC	-65°C to +200°C -65°C to +260°C
Voltage	250/500V AC U ₀ /U	
Test voltage	2500V AC	
Flame retardant		
Low smoke generation		
• NEMA HP-3		

Construction

Conductor	ET ET NPC	Silver Plated Copper (SPC) Nickel Plated Copper (NPC)	Insulation	PTFE
Shield	-		Sheath	-

Application

PTFE is Habia Cable's foremost insulation material, intended for use up to 260°C. PTFE has excellent mechanical properties, including solder resistance and offers unparalleled electrical performance. Typical applications for PTFE include gas ignition wires, gas turbines, vacuum applications and high temperature data cables. Cores are designed according to NEMA HP-3.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
ET 3207	32	0,04	7 x 0,08	557,70	0,24	0,56	±0,05	0,8	3	511cc3207
ET 3207 NPC				610,20					4	411cc3207
ET 3001	30	0,05	1 x 0,25	347,80	0,25	0,56	±0,05	0,9	4	511cc3001
ET 3001 NPC				360,90					5	411cc3001
ET 3007	30	0,06	7 x 0,10	328,10	0,30	0,61	±0,05	1,0	4	511cc3007
ET 3007 NPC				360,90					5	411cc3007
ET 2801	28	0,08	1 x 0,32	218,80	0,32	0,64	±0,05	1,2	6	511cc2801
ET 2801 NPC				227,70					7	411cc2801
ET 2807	28	0,09	7 x 0,13	208,70	0,38	0,69	±0,05	1,5	6	511cc2807
ET 2807 NPC				221,80					7	411cc2807
ET 2601	26	0,13	1 x 0,40	137,50	0,40	0,71	±0,05	1,7	8	511cc2601
ET 2601 NPC				143,00					9	411cc2601
ET 2607	26	0,14	7 x 0,16	130,20	0,48	0,79	±0,05	2,1	8	511cc2607
ET 2607 NPC				138,50					9	411cc2607
ET 2619	26	0,16	19 x 0,10	122,40	0,48	0,79	+0,07 -0,05	2,2	8	511cc2619
ET 2619 NPC				134,50					9	411cc2619
ET 2401	24	0,20	1 x 0,51	86,00	0,51	0,81	±0,05	2,5	10	511cc2401
ET 2401 NPC				89,60					12	411cc2401
ET 2407	24	0,22	7 x 0,20	80,40	0,60	0,91	±0,05	3,0	10	511cc2407
ET 2407 NPC				85,30					12	411cc2407
ET 2419	24	0,24	19 x 0,13	77,40	0,60	0,91	+0,08 -0,05	3,2	10	511cc2419
ET 2419 NPC				82,70					12	411cc2419
ET 2201	22	0,32	1 x 0,64	54,10	0,64	0,95	+0,07 -0,06	3,7	14	511cc2201
ET 2201 NPC				56,40					16	411cc2201
ET 2207	22	0,36	7 x 0,25	51,20	0,76	1,07	±0,05	4,4	14	511cc2207
ET 2207 NPC				53,10					16	411cc2207
ET 2219	22	0,38	19 x 0,16	48,60	0,76	1,07	+0,10 -0,05	4,7	14	511cc2219
ET 2219 NPC				51,50					16	411cc2219
ET 2001	20	0,52	1 x 0,81	33,80	0,81	1,12	±0,05	5,6	19	511cc2001
ET 2001 NPC				35,40					22	411cc2001
ET 2007	20	0,56	7 x 0,32	32,20	0,96	1,27	±0,05	6,6	19	511cc2007
ET 2007 NPC				33,50					22	411cc2007
ET 2019	20	0,60	19 x 0,20	29,90	0,96	1,27	±0,05	7,1	19	511cc2019
ET 2019 NPC				31,80					22	411cc2019

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_ET_12 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Temp.	SPC NPC	-65°C to +200°C -65°C to +260°C
Voltage	600/1000V AC U ₀ /U	
Test voltage	3400V AC	
Flame retardant		
Low smoke generation		
• NEMA HP-3		

Construction

Conductor	E E NPC	Silver Plated Copper (SPC) Nickel Plated Copper (NPC)	Insulation	PTFE
Shield	-		Sheath	-

Application

PTFE is Habia Cable's foremost insulation material, intended for use up to 260°C. PTFE has excellent mechanical properties, including solder resistance and offers unparalleled electrical performance. Typical applications for PTFE include gas ignition wires, gas turbines, vacuum applications and high temperature data cables. Cores are designed according to NEMA HP-3.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-RE 3201	32	0,03	1 x 0,20	544,60	0,20	0,74	±0,10	1,10	3	312cc3201
H-RE 3201 NPC				580,70					4	212cc3201
E 3207	32	0,04	7 x 0,08	557,70	0,24	0,76	±0,10	1,20	3	512cc3207
E 3207 NPC				610,20					4	412cc3207
E 3001	30	0,05	1 x 0,25	347,80	0,25	0,76	±0,10	1,30	4	512cc3001
E 3001 NPC				360,90					5	412cc3001
E 3007	30	0,06	7 x 0,10	328,10	0,30	0,81	±0,10	1,50	4	512cc3007
E 3007 NPC				360,90					5	412cc3007
E 2801	28	0,08	1 x 0,32	218,80	0,32	0,84	±0,10	1,70	6	512cc2801
E 2801 NPC				227,70					7	412cc2801
E 2807	28	0,09	7 x 0,13	208,70	0,38	0,89	±0,10	2,00	6	512cc2807
E 2807 NPC				221,80					7	412cc2807
E 2601	26	0,13	1 x 0,40	137,50	0,40	0,91	±0,10	2,30	8	512cc2601
E 2601 NPC				143,00					9	412cc2601
E 2607	26	0,14	7 x 0,16	130,20	0,48	0,99	±0,10	2,70	8	512cc2607
E 2607 NPC				138,50					9	412cc2607
E 2619	26	0,16	19 x 0,10	122,40	0,48	1,00	±0,10	2,80	8	512cc2619
E 2619 NPC				134,50					9	412cc2619
E 2401	24	0,20	1 x 0,51	86,00	0,51	1,02	±0,10	3,10	10	512cc2401
E 2401 NPC				89,60					12	412cc2401
E 2407	24	0,22	7 x 0,20	80,40	0,60	1,12	±0,10	3,70	10	512cc2407
E 2407 NPC				85,30					12	412cc2407
E 2419	24	0,24	19 x 0,13	77,40	0,60	1,13	±0,10	3,90	10	512cc2419
E 2419 NPC				82,70					12	412cc2419
E 2201	22	0,32	1 x 0,64	54,10	0,64	1,15	±0,10	4,40	14	512cc2201
E 2201 NPC				56,40					16	412cc2201
E 2207	22	0,36	7 x 0,25	51,20	0,76	1,27	±0,10	5,20	14	512cc2207
E 2207 NPC				53,10					16	412cc2207
E 2219	22	0,38	19 x 0,16	48,60	0,76	1,30	±0,10	5,50	14	512cc2219
E 2219 NPC				51,50					16	412cc2219
E 2001	20	0,52	1 x 0,81	33,80	0,81	1,32	±0,10	6,50	19	512cc2001
E 2001 NPC				35,40					22	412cc2001
E 2007	20	0,56	7 x 0,32	32,20	0,96	1,47	±0,10	7,50	19	512cc2007
E 2007 NPC				33,50					22	412cc2007
E 2019	20	0,60	19 x 0,20	29,90	0,96	1,47	±0,10	8,10	19	512cc2019
E 2019 NPC				31,80					22	412cc2019
E 1801	18	0,82	1 x 1,02	21,40	1,02	1,54	±0,10	9,60	27	512cc1801
E 1801 NPC				22,30					30	412cc1801
E 1807	18	0,88	7 x 0,40	20,20	1,21	1,75	±0,10	12,00	27	512cc1807
E 1807 NPC				21,10					30	412cc1807
E 1819	18	0,96	19 x 0,25	19,00	1,20	1,75	±0,10	12,00	27	512cc1819
E 1819 NPC				19,80					30	412cc1819
E 1601	16	1,30	1 x 1,29	13,40	1,29	1,87	±0,10	15,00	32	512cc1601
E 1601 NPC				14,00					36	412cc1601
E 1619	16	1,23	19 x 0,29	14,90	1,36	2,03	±0,10	16,00	32	512cc1619
E 1619 NPC				15,50					36	412cc1619
E 1419	14	1,87	19 x 0,36	9,42	1,70	2,42	±0,10	23,00	43	512cc1419
E 1419 NPC				9,81					50	412cc1419
E 1219	12	3,02	19 x 0,45	5,94	2,14	2,90	±0,10	33,00	59	512cc1219
E 1219 NPC				6,17					67	412cc1219
E 1237	12	2,98	37 x 0,32	6,20	2,24	2,85	±0,10	41,50	59	512cc1237
E 1237 NPC				6,46					67	412cc1237

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_E_12 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Temp.	SPC NPC	-65°C to +200°C -65°C to +260°C
Voltage	1000/1900V AC U ₀ /U	
Test voltage	5000V AC	
Flame retardant		
Low smoke generation		
• NEMA HP-3		

Construction

Conductor	EE EE NPC	Silver Plated Copper (SPC) Nickel Plated Copper (NPC)	Insulation	PTFE
Shield	-		Sheath	-

Application

PTFE is Habia Cable's foremost insulation material, intended for use up to 260°C. PTFE has excellent mechanical properties, including solder resistance and offers unparalleled electrical performance. Typical applications for PTFE include gas ignition wires, gas turbines, vacuum applications and high temperature data cables. Cores are designed according to NEMA HP-3.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
EE 3201	32	0,03	1 x 0,20	544,60	0,20	0,96	+0,11 -0,10	1,80	3	513cc3201
EE 3201 NPC				580,70					4	413cc3201
EE 3207	32	0,04	7 x 0,08	557,70	0,24	1,02	±0,10	2,00	3	513cc3207
EE 3207 NPC				610,20					4	413cc3207
EE 3001	30	0,05	1 x 0,25	347,80	0,25	1,02	±0,10	2,10	4	513cc3001
EE 3001 NPC				360,90					5	413cc3001
EE 3007	30	0,06	7 x 0,10	328,10	0,30	1,07	±0,10	2,30	4	513cc3007
EE 3007 NPC				360,90					5	413cc3007
EE 2801	28	0,08	1 x 0,32	218,80	0,32	1,09	±0,10	2,50	6	513cc2801
EE 2801 NPC				227,70					7	413cc2801
EE 2807	28	0,09	7 x 0,13	208,70	0,38	1,14	±0,10	2,90	6	513cc2807
EE 2807 NPC				221,80					7	413cc2807
EE 2601	26	0,13	1 x 0,40	137,50	0,40	1,17	±0,10	3,20	8	513cc2601
EE 2601 NPC				143,00					9	413cc2601
EE 2607	26	0,14	7 x 0,16	130,20	0,48	1,24	+0,11 -0,10	3,60	8	513cc2607
EE 2607 NPC				138,50					9	413cc2607
EE 2619	26	0,16	19 x 0,10	122,40	0,48	1,24	+0,13 -0,10	3,80	8	513cc2619
EE 2619 NPC				134,50					9	413cc2619
EE 2401	24	0,20	1 x 0,51	86,00	0,51	1,27	±0,10	4,10	10	513cc2401
EE 2401 NPC				89,60					12	413cc2401
EE 2407	24	0,22	7 x 0,20	80,40	0,60	1,37	±0,10	4,80	10	513cc2407
EE 2407 NPC				85,30					12	413cc2407
EE 2419	24	0,24	19 x 0,13	77,40	0,60	1,37	+0,13 -0,10	5,00	10	513cc2419
EE 2419 NPC				82,70					12	413cc2419
EE 2201	22	0,32	1 x 0,64	54,10	0,64	1,41	±0,11	5,60	14	513cc2201
EE 2201 NPC				56,40					16	413cc2201
EE 2207	22	0,36	7 x 0,25	51,20	0,76	1,52	+0,11 -0,10	6,40	14	513cc2207
EE 2207 NPC				53,10					16	413cc2207
EE 2219	22	0,38	19 x 0,16	48,60	0,76	1,52	+0,16 -0,10	6,70	14	513cc2219
EE 2219 NPC				51,50					16	413cc2219
EE 2001	20	0,52	1 x 0,81	33,80	0,81	1,57	+0,11 -0,10	7,70	19	513cc2001
EE 2001 NPC				35,40					22	413cc2001
EE 2007	20	0,56	7 x 0,32	32,20	0,96	1,73	±0,10	8,90	19	513cc2007
EE 2007 NPC				33,50					22	413cc2007
EE 2019	20	0,60	19 x 0,20	29,90	0,96	1,73	±0,10	9,50	19	513cc2019
EE 2019 NPC				31,80					22	413cc2019
EE 1801	18	0,82	1 x 1,02	21,40	1,02	1,80	+0,13 -0,12	11,00	27	513cc1801
EE 1801 NPC				22,30					30	413cc1801
EE 1807	18	0,88	7 x 0,40	20,20	1,21	2,00	+0,13 -0,12	13,00	27	513cc1807
EE 1807 NPC				21,10					30	413cc1807
EE 1819	18	0,96	19 x 0,25	19,00	1,20	2,00	+0,13 -0,12	14,00	27	513cc1819
EE 1819 NPC				19,80					30	413cc1819
EE 1601	16	1,30	1 x 1,29	13,40	1,29	2,11	±0,15	16,00	32	513cc1601
EE 1601 NPC				14,00					36	413cc1601
EE 1619	16	1,23	19 x 0,29	14,90	1,36	2,26	±0,15	17,00	32	513cc1619
EE 1619 NPC				15,50					36	413cc1619
EE 1419	14	1,87	19 x 0,36	9,42	1,70	2,69	+0,21 -0,20	24,00	43	513cc1419
EE 1419 NPC				9,81					50	413cc1419
EE 1219	12	3,02	19 x 0,45	5,94	2,14	3,17	+0,21 -0,20	36,00	59	513cc1219
EE 1219 NPC				6,17					67	413cc1219

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_EE_12 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	250/500V AC U ₀ /U
Test voltage	2500V AC
Flame retardant	
Low smoke generation	
• NF C 93-523	

Construction

Conductor	Silver Plated Copper (SPC)	Insulation	PTFE
Shield	-	Sheath	-

Application

PTFE is Habia Cable's foremost insulation material, intended for use up to 260°C. PTFE has excellent mechanical properties, including solder resistance and offers unparalleled electrical performance. Typical applications for PTFE include gas ignition wires, gas turbines, vacuum applications and high temperature data cables. Cores are designed according to NF C 93-523.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
KZ 04-01	32	0,04	7 x 0,079	557,70	0,24	0,53	± 0,05	0,8	3	006-2cc04-001
KZ 04-02	30	0,06	7 x 0,102	328,10	0,31	0,61	± 0,05	1,0	4	006-2cc04-002
KZ 04-03	28	0,09	7 x 0,127	208,70	0,38	0,68	± 0,05	1,5	5	006-2cc04-003
KZ 04-04	26	0,14	7 x 0,160	130,20	0,48	0,79	± 0,05	2,1	7	006-2cc04-004
KZ 04-05	24	0,22	7 x 0,203	80,40	0,61	0,91	± 0,05	3,0	10	006-2cc04-005
KZ 04-06	22	0,36	7 x 0,254	51,20	0,76	1,06	± 0,05	4,4	14	006-2cc04-006
KZ 04-07	20	0,60	19 x 0,203	29,90	0,96	1,35	± 0,05	7,1	19	006-2cc04-007

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Single core

Voltage	600/1000V AC U ₀ /U
Test voltage	3400V AC
Flame retardant	
Low smoke generation	
• NF C 93-523	

Construction

Conductor	Silver Plated Copper (SPC)	Insulation	PTFE
Shield	-	Sheath	-

Application

PTFE is Habia Cable's foremost insulation material, intended for use up to 260°C. PTFE has excellent mechanical properties, including solder resistance and offers unparalleled electrical performance. Typical applications for PTFE include gas ignition wires, gas turbines, vacuum applications and high temperature data cables. Cores are designed according to NF C 93-523.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
KZ 05-01	32	0,04	7 x 0,079	557,70	0,24	0,74	+0,10 -0,11	1,2	3	006-2cc05-001
KZ 05-02	30	0,06	7 x 0,102	328,10	0,31	0,81	±0,10	1,5	4	006-2cc05-002
KZ 05-03	28	0,09	7 x 0,127	208,70	0,38	0,90	+0,10 -0,11	2,0	5	006-2cc05-003
KZ 05-04	26	0,14	7 x 0,160	130,20	0,48	1,00	+0,10 -0,11	2,7	7	006-2cc05-004
KZ 05-05	24	0,22	7 x 0,203	80,40	0,61	1,13	±0,09	3,7	10	006-2cc05-005
KZ 05-06	22	0,36	7 x 0,254	51,20	0,76	1,27	±0,10	5,2	14	006-2cc05-006
KZ 05-07	20	0,60	19 x 0,203	29,90	0,96	1,52	±0,10	8,1	19	006-2cc05-007
KZ 05-08	18	0,96	19 x 0,254	19,00	1,20	1,80	+0,12 -0,13	12,0	27	006-2cc05-008
KZ 05-09	16	1,34	19 x 0,300	14,90	1,50	2,10	±0,17	15,0	32	006-2cc05-009
KZ 05-10	14	1,90	27 x 0,300	-	1,85	2,48	±0,18	23,0	43	006-2cc05-010
KZ 05-11	12	3,18	45 x 0,300	-	2,45	3,07	+0,17 -0,18	39,0	59	006-2cc05-011

Available colours (replace 'cc' in the order reference)

00 Black 11 Brown 22 Red 33 Orange 44 Yellow 55 Green 66 Blue 77 Violet 88 Grey 99 White 29 Pink 89 Natural 45 Yel/Grn

Ref: EQ_KZ05_12 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	1000/1900V AC U ₀ /U
Test voltage	5000V AC
Flame retardant	
Low smoke generation	
• NF C 93-523	

Construction

Conductor	Silver Plated Copper (SPC)	Insulation	PTFE
Shield	-	Sheath	-

Application

PTFE is Habia Cable's foremost insulation material, intended for use up to 260°C. PTFE has excellent mechanical properties, including solder resistance and offers unparalleled electrical performance. Typical applications for PTFE include gas ignition wires, gas turbines, vacuum applications and high temperature data cables. Cores are designed according to NF C 93-523.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
KZ 06-01	32	0,04	7 x 0,079	557,70	0,24	0,99	+0,10 -0,11	2,0	3	006-2cc06-001
KZ 06-02	30	0,06	7 x 0,102	328,10	0,31	1,06	+0,10 -0,11	2,3	4	006-2cc06-002
KZ 06-03	28	0,09	7 x 0,127	208,70	0,38	1,14	±0,10	2,9	5	006-2cc06-003
KZ 06-04	26	0,14	7 x 0,160	130,20	0,48	1,24	±0,10	3,6	7	006-2cc06-004
KZ 06-05	24	0,22	7 x 0,203	80,40	0,61	1,37	±0,10	4,8	10	006-2cc06-005
KZ 06-06	22	0,36	7 x 0,254	51,20	0,76	1,53	+0,10 -0,11	6,4	14	006-2cc06-006
KZ 06-07	20	0,60	19 x 0,203	29,90	0,96	1,76	±0,10	9,5	19	006-2cc06-007
KZ 06-08	18	0,96	19 x 0,254	19,00	1,20	2,05	+0,12 -0,13	14,0	27	006-2cc06-008
KZ 06-09	16	1,34	19 x 0,300	14,90	1,50	2,26	+0,15 -0,16	17,0	32	006-2cc06-009
KZ 06-10	14	1,90	27 x 0,300	-	1,85	2,72	+0,20 -0,21	25,0	43	006-2cc06-010
KZ 06-11	12	3,18	45 x 0,300	-	2,45	3,35	+0,20 -0,21	40,0	59	006-2cc06-011

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_KZ06_12 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	250/500V AC U ₀ /U
Test voltage	2500V AC
Flame retardant	
Low smoke generation	
• NF C 93-523	

Construction

Conductor	Nickel Plated Copper (NPC)	Insulation	PTFE
Shield	-	Sheath	-

Application

PTFE is Habia Cable's foremost insulation material, intended for use up to 260°C. PTFE has excellent mechanical properties, including solder resistance and offers unparalleled electrical performance. Typical applications for PTFE include gas ignition wires, gas turbines, vacuum applications and high temperature data cables. Cores are designed according to NF C 93-523.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
KZ 07-01	32	0,04	7 x 0,079	610,20	0,24	0,53	±0,05	0,8	3	006-2cc07-001
KZ 07-02	30	0,06	7 x 0,102	360,90	0,31	0,61	±0,05	1,0	4	006-2cc07-002
KZ 07-03	28	0,09	7 x 0,127	221,80	0,38	0,68	±0,05	1,5	6	006-2cc07-003
KZ 07-04	26	0,14	7 x 0,160	138,50	0,48	0,79	±0,05	2,1	9	006-2cc07-004
KZ 07-05	24	0,22	7 x 0,203	85,30	0,61	0,91	±0,05	3,0	12	006-2cc07-005
KZ 07-06	22	0,36	7 x 0,254	53,10	0,76	1,06	±0,05	4,4	16	006-2cc07-006
KZ 07-07	20	0,60	19 x 0,203	31,80	0,96	1,35	±0,05	7,1	22	006-2cc07-007

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_KZ07_12 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	600/1000V AC U ₀ /U
Test voltage	3400V AC
Flame retardant	
Low smoke generation	
• NF C 93-523	

Construction

Conductor	Nickel Plated Copper (NPC)	Insulation	PTFE
Shield	-	Sheath	-

Application

PTFE is Habia Cable's foremost insulation material, intended for use up to 260°C. PTFE has excellent mechanical properties, including solder resistance and offers unparalleled electrical performance. Typical applications for PTFE include gas ignition wires, gas turbines, vacuum applications and high temperature data cables. Cores are designed according to NF C 93-523.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
KZ 08-01	32	0,04	7 x 0,079	610,20	0,24	0,74	+0,10 -0,11	1,2	3	006-2cc08-001
KZ 08-02	30	0,06	7 x 0,102	360,90	0,31	0,81	±0,10	1,5	4	006-2cc08-002
KZ 08-03	28	0,09	7 x 0,127	221,80	0,38	0,90	+0,10 -0,11	2,0	6	006-2cc08-003
KZ 08-04	26	0,14	7 x 0,160	138,50	0,48	1,00	+0,10 -0,11	2,7	9	006-2cc08-004
KZ 08-05	24	0,22	7 x 0,203	85,30	0,61	1,13	±0,09	3,7	12	006-2cc08-005
KZ 08-06	22	0,36	7 x 0,254	53,10	0,76	1,27	±0,10	5,2	16	006-2cc08-006
KZ 08-07	20	0,60	19 x 0,203	31,80	0,96	1,52	±0,10	8,1	22	006-2cc08-007
KZ 08-08	18	0,96	19 x 0,254	19,80	1,20	1,80	+0,12 -0,13	12,0	30	006-2cc08-008
KZ 08-09	16	1,34	19 x 0,300	15,50	1,50	2,10	±0,17	15,0	36	006-2cc08-009
KZ 08-10	14	1,90	27 x 0,300	-	1,85	2,48	±0,18	23,0	50	006-2cc08-010
KZ 08-11	12	3,18	45 x 0,300	-	2,45	3,07	+0,17 -0,18	39,0	67	006-2cc08-011

Single core

Voltage	1000/1900V AC U ₀ /U
Test voltage	5000V AC
Flame retardant	
Low smoke generation	
• NF C 93-523	

Construction

Conductor	Nickel Plated Copper (NPC)	Insulation	PTFE
Shield	-	Sheath	-

Application

PTFE is Habia Cable's foremost insulation material, intended for use up to 260°C. PTFE has excellent mechanical properties, including solder resistance and offers unparalleled electrical performance. Typical applications for PTFE include gas ignition wires, gas turbines, vacuum applications and high temperature data cables. Cores are designed according to NF C 93-523.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
KZ 09-01	32	0,04	7 x 0,079	610,20	0,24	0,99	+0,10 -0,11	2,0	3	006-2cc09-001
KZ 09-02	30	0,06	7 x 0,102	360,90	0,31	1,06	+0,10 -0,11	2,3	4	006-2cc09-002
KZ 09-03	28	0,09	7 x 0,127	221,80	0,38	1,14	±0,10	2,9	6	006-2cc09-003
KZ 09-04	26	0,14	7 x 0,160	138,50	0,48	1,24	±0,10	3,6	9	006-2cc09-004
KZ 09-05	24	0,22	7 x 0,203	85,30	0,61	1,37	±0,10	4,8	12	006-2cc09-005
KZ 09-06	22	0,36	7 x 0,254	53,10	0,76	1,53	+0,10 -0,11	6,4	16	006-2cc09-006
KZ 09-07	20	0,60	19 x 0,203	31,80	0,96	1,76	±0,10	9,5	22	006-2cc09-007
KZ 09-08	18	0,96	19 x 0,254	19,80	1,20	2,05	+0,12 -0,13	14,0	30	006-2cc09-008
KZ 09-09	16	1,34	19 x 0,300	15,50	1,50	2,26	+0,15 -0,16	17,0	36	006-2cc09-009
KZ 09-10	14	1,90	27 x 0,300	-	1,85	2,72	+0,20 -0,21	25,0	50	006-2cc09-010
KZ 09-11	12	3,18	45 x 0,300	-	2,45	3,35	+0,20 -0,21	40,0	67	006-2cc09-011

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_KZ09_12 Created: CJV Approved: AE Date: 2013-09-12

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Single core - Ultra thin

Voltage	160/300V AC U ₀ /U
Test voltage	2000V AC
Flame retardant	
Low smoke generation	
• Ultra thin	

Construction

Conductor	Silver Plated High Strength Alloy (HSA) *	Insulation	PTFE
Shield	-	Sheath	-

* Sizes 28 AWG and 26 AWG use Tin Plated Copper (TPC)

Application

Habia Cable's original insulation material, intended for use up to 260°C. PTFE has excellent mechanical properties, including solder resistance and offers unparalleled electrical performance. Typical applications for PTFE include gas ignition wires, gas turbines, vacuum applications and high temperature data cables.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-UT 3601 HSA	36	0,01	1 x 0,13	1825,00	0,13	0,27	+ 0,02 - 0,03	0,25	1	571cc3601
H-UT 3607 HSA	36	0,01	7 x 0,05	1545,00	0,15	0,32	+ 0,02 - 0,03	0,30	1	571cc3607
H-UT 3401 HSA	34	0,02	1 x 0,16	1139,00	0,16	0,31	+ 0,02 - 0,03	0,35	2	571cc3401
H-UT 3407 HSA	34	0,02	7 x 0,06	979,00	0,19	0,36	+ 0,02 - 0,03	0,40	2	571cc3407
H-UT 3201 HSA	32	0,03	1 x 0,20	627,00	0,20	0,36	+ 0,02 - 0,03	0,50	3	571cc3201
H-UT 3207 HSA	32	0,03	7 x 0,08	621,00	0,24	0,42	+ 0,02 - 0,03	0,55	3	571cc3207
H-UT 3219 HSA	32	0,04	19 x 0,05	571,00	0,25	0,42	+ 0,02 - 0,03	0,65	3	571cc3219
H-UT 3001 HSA	30	0,05	1 x 0,25	401,00	0,25	0,42	+ 0,02 - 0,03	0,70	4	571cc3001
H-UT 3007 HSA	30	0,05	7 x 0,10	373,00	0,30	0,49	+ 0,02 - 0,03	0,85	4	571cc3007
H-UT 3019 HSA	30	0,05	19 x 0,06	360,00	0,32	0,50	+ 0,02 - 0,03	0,90	4	571cc3019
H-UT 2801	28	0,08	1 x 0,32	221,00	0,32	0,50	+ 0,02 - 0,03	1,00	5	571cc2801
H-UT 2807	28	0,09	7 x 0,13	210,00	0,38	0,56	+ 0,02 - 0,03	1,20	5	571cc2807
H-UT 2601	26	0,13	1 x 0,40	139,00	0,40	0,62	+ 0,02 - 0,03	1,60	7	571cc2601

H-RET (PTFE)

250V
-65°C/+200°C and +260°C

Single core

Temp.	SPC NPC	-65°C to +200°C -65°C to +260°C
Voltage	250/500V AC U ₀ /U	
Test voltage	2500V AC	
Flame retardant		
Low smoke generation		

Construction

Conductor	H-RET H-RET NPC	Silver Plated Copper (SPC) Nickel Plated Copper (NPC)	Insulation	Wrapped PTFE
Shield	-		Sheath	-

Application

PTFE is Habia Cable's foremost insulation material, intended for use up to 260°C. PTFE has excellent mechanical properties, including solder resistance and offers unparalleled electrical performance. Typical applications for PTFE include gas ignition wires, gas turbines, vacuum applications and high temperature data cables. Cores are designed according to NEMA HP-3.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-RET 3207	32	0,04	7 x 0,08	557,70	0,24	0,56	±0,05	0,8	3	311cc3207
H-RET 3207 NPC				610,20					4	211cc3207
H-RET 3001	30	0,05	1 x 0,25	347,80	0,25	0,56	±0,05	0,9	4	311cc3001
H-RET 3001 NPC				360,90					5	211cc3001
H-RET 3007	30	0,06	7 x 0,10	328,10	0,30	0,61	±0,05	1,0	4	311cc3007
H-RET 3007 NPC				360,90					5	211cc3007
H-RET 2801	28	0,08	1 x 0,32	218,80	0,32	0,64	±0,05	1,2	6	311cc2801
H-RET 2801 NPC				227,70					7	211cc2801
H-RET 2807	28	0,09	7 x 0,13	208,70	0,38	0,69	±0,05	1,5	6	311cc2807
H-RET 2807 NPC				221,80					7	211cc2807
H-RET 2601	26	0,13	1 x 0,40	137,50	0,40	0,71	±0,05	1,7	8	311cc2601
H-RET 2601 NPC				143,00					9	211cc2601
H-RET 2607	26	0,14	7 x 0,16	130,20	0,48	0,79	±0,05	2,1	8	311cc2607
H-RET 2607 NPC				138,50					9	211cc2607
H-RET 2619	26	0,16	19 x 0,10	122,40	0,48	0,79	+0,07 -0,05	2,2	8	311cc2619
H-RET 2619 NPC				134,50					9	211cc2619
H-RET 2401	24	0,20	1 x 0,51	86,00	0,51	0,81	±0,05	2,5	10	311cc2401
H-RET 2401 NPC				89,60					12	211cc2401
H-RET 2407	24	0,22	7 x 0,20	80,40	0,60	0,91	±0,05	3,0	10	311cc2407
H-RET 2407 NPC				85,30					12	211cc2407
H-RET 2419	24	0,24	19 x 0,13	77,40	0,60	0,91	+0,08 -0,05	3,2	10	311cc2419
H-RET 2419 NPC				82,70					12	211cc2419
H-RET 2201	22	0,32	1 x 0,64	54,10	0,64	0,95	+0,07 -0,06	3,7	14	311cc2201
H-RET 2201 NPC				56,40					16	211cc2201
H-RET 2207	22	0,36	7 x 0,25	51,20	0,76	1,07	±0,05	4,4	14	311cc2207
H-RET 2207 NPC				53,10					16	211cc2207
H-RET 2219	22	0,38	19 x 0,16	48,60	0,76	1,07	+0,10 -0,05	4,7	14	311cc2219
H-RET 2219 NPC				51,50					16	211cc2219
H-RET 2001	20	0,52	1 x 0,81	33,80	0,81	1,12	±0,05	5,6	19	311cc2001
H-RET 2001 NPC				35,40					22	211cc2001
H-RET 2007	20	0,56	7 x 0,32	32,20	0,96	1,27	±0,05	6,6	19	311cc2007
H-RET 2007 NPC				33,50					22	211cc2007
H-RET 2019	20	0,60	19 x 0,20	29,90	0,96	1,27	±0,05	7,1	19	311cc2019
H-RET 2019 NPC				31,80					22	211cc2019

Available colours (replace 'cc' in the order reference)

00 Black 11 Brown 22 Red 33 Orange 44 Yellow 55 Green 66 Blue 77 Violet 88 Grey 99 White 29 Pink 89 Natural 45 Yel/Grn

Ref: EQ_RET_02 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Temp.	SPC NPC	-65°C to +200°C -65°C to +260°C
Voltage	600/1000V AC U ₀ /U	
Test voltage	3400V AC	
Flame retardant		
Low smoke generation		

Construction

Conductor	H-RE H-RE NPC	Silver Plated Copper (SPC) Nickel Plated Copper (NPC)	Insulation	Wrapped PTFE
Shield	-		Sheath	-

Application

PTFE is Habia Cable's foremost insulation material, intended for use up to 260°C. PTFE has excellent mechanical properties, including solder resistance and offers unparalleled electrical performance. Typical applications for PTFE include gas ignition wires, gas turbines, vacuum applications and high temperature data cables. Cores are designed according to NEMA HP-3.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-RE 3201				544,60					3	312cc3201
H-RE 3201 NPC	32	0,03	1 x 0,20	580,70	0,20	0,74	±0,10	1,10	4	212cc3201
H-RE 3207				557,70					3	312cc3207
H-RE 3207 NPC	32	0,04	7 x 0,08	610,20	0,24	0,76	±0,10	1,20	4	212cc3207
H-RE 3001				347,80					4	312cc3001
H-RE 3001 NPC	30	0,05	1 x 0,25	360,90	0,25	0,76	±0,10	1,30	5	212cc3001
H-RE 3007				328,10					4	312cc3007
H-RE 3007 NPC	30	0,06	7 x 0,10	360,90	0,30	0,81	±0,10	1,50	5	212cc3007
H-RE 2801				218,80					6	312cc2801
H-RE 2801 NPC	28	0,08	1 x 0,32	227,70	0,32	0,84	±0,10	1,70	7	212cc2801
H-RE 2807				208,70					6	312cc2807
H-RE 2807 NPC	28	0,09	7 x 0,13	221,80	0,38	0,89	±0,10	2,00	7	212cc2807
H-RE 2601				137,50					8	312cc2601
H-RE 2601 NPC	26	0,13	1 x 0,40	143,00	0,40	0,91	±0,10	2,30	9	212cc2601
H-RE 2607				130,20					8	312cc2607
H-RE 2607 NPC	26	0,14	7 x 0,16	138,50	0,48	0,99	±0,10	2,70	9	212cc2607
H-RE 2619				122,40					8	312cc2619
H-RE 2619 NPC	26	0,16	19 x 0,10	134,50	0,48	1,00	±0,10	2,80	9	212cc2619
H-RE 2401				86,00					10	312cc2401
H-RE 2401 NPC	24	0,20	1 x 0,51	89,60	0,51	1,02	±0,10	3,10	12	212cc2401
H-RE 2407				80,40					10	312cc2407
H-RE 2407 NPC	24	0,22	7 x 0,20	85,30	0,60	1,12	±0,10	3,70	12	212cc2407
H-RE 2419				77,40					10	312cc2419
H-RE 2419 NPC	24	0,24	19 x 0,13	82,70	0,60	1,13	±0,10	3,90	12	212cc2419
H-RE 2201				54,10					14	312cc2201
H-RE 2201 NPC	22	0,32	1 x 0,64	56,40	0,64	1,15	±0,10	4,40	16	212cc2201
H-RE 2207				51,20					14	312cc2207
H-RE 2207 NPC	22	0,36	7 x 0,25	53,10	0,76	1,27	±0,10	5,20	16	212cc2207
H-RE 2219				48,60					14	312cc2219
H-RE 2219 NPC	22	0,38	19 x 0,16	51,50	0,76	1,30	±0,10	5,50	16	212cc2219
H-RE 2001				33,80					19	312cc2001
H-RE 2001 NPC	20	0,52	1 x 0,81	35,40	0,81	1,32	±0,10	6,50	22	212cc2001
H-RE 2007				32,20					19	312cc2007
H-RE 2007 NPC	20	0,56	7 x 0,32	33,50	0,96	1,47	±0,10	7,50	22	212cc2007
H-RE 2019				29,90					19	312cc2019
H-RE 2019 NPC	20	0,60	19 x 0,20	31,80	0,96	1,47	±0,10	8,10	22	212cc2019
H-RE 1801				21,40					27	312cc1801
H-RE 1801 NPC	18	0,82	1 x 1,02	22,30	1,02	1,54	±0,10	9,60	30	212cc1801
H-RE 1807				20,20					27	312cc1807
H-RE 1807 NPC	18	0,88	7 x 0,40	21,10	1,21	1,75	±0,10	12,00	30	212cc1807
H-RE 1819				19,00					27	312cc1819
H-RE 1819 NPC	18	0,96	19 x 0,25	19,80	1,20	1,75	±0,10	12,00	30	212cc1819
H-RE 1601				13,40					32	312cc1601
H-RE 1601 NPC	16	1,30	1 x 1,29	14,00	1,29	1,87	±0,10	15,00	36	212cc1601
H-RE 1619				14,90					32	312cc1619
H-RE 1619 NPC	16	1,23	19 x 0,29	15,50	1,36	2,03	±0,10	16,00	36	212cc1619
H-RE 1419				9,42					43	312cc1419
H-RE 1419 NPC	14	1,87	19 x 0,36	9,81	1,70	2,42	±0,10	23,00	50	212cc1419
H-RE 1219				5,94					59	312cc1219
H-RE 1219 NPC	12	3,02	19 x 0,45	6,17	2,14	2,90	±0,10	33,00	67	212cc1219
H-RE 1237				6,20					59	312cc1237
H-RE 1237 NPC	12	2,98	37 x 0,32	6,46	2,24	2,85	±0,10	41,50	67	212cc1237

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_RE_02 Created: CJV Approved: AE Date: 2013-09-12

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H-REE (PTFE)

1kV
-65°C/+200°C and +260°C

Single core

Temp.	SPC NPC	-65°C to +200°C -65°C to +260°C
Voltage	1000/1900V AC U ₀ /U	
Test voltage	5000V AC	
Flame retardant		
Low smoke generation		

Construction

Conductor	H-REE H-REE NPC	Silver Plated Copper (SPC) Nickel Plated Copper (NPC)	Insulation	Wrapped PTFE
Shield	-		Sheath	-

Application

PTFE is Habia Cable's foremost insulation material, intended for use up to 260°C. PTFE has excellent mechanical properties, including solder resistance and offers unparalleled electrical performance. Typical applications for PTFE include gas ignition wires, gas turbines, vacuum applications and high temperature data cables. Cores are designed according to NEMA HP-3.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-REE 3201	32	0,03	1 x 0,20	544,60	0,20	0,96	+0,11 -0,10	1,80	3	313cc3201
H-REE 3201 NPC				580,70					4	213cc3201
H-REE 3207	32	0,04	7 x 0,08	557,70	0,24	1,02	±0,10	2,00	3	313cc3207
H-REE 3207 NPC				610,20					4	213cc3207
H-REE 3001	30	0,05	1 x 0,25	347,80	0,25	1,02	±0,10	2,10	4	313cc3001
H-REE 3001 NPC				360,90					5	213cc3001
H-REE 3007	30	0,06	7 x 0,10	328,10	0,30	1,07	±0,10	2,30	4	313cc3007
H-REE 3007 NPC				360,90					5	213cc3007
H-REE 2801	28	0,08	1 x 0,32	218,80	0,32	1,09	±0,10	2,50	6	313cc2801
H-REE 2801 NPC				227,70					7	213cc2801
H-REE 2807	28	0,09	7 x 0,13	208,70	0,38	1,14	±0,10	2,90	6	313cc2807
H-REE 2807 NPC				221,80					7	213cc2807
H-REE 2601	26	0,13	1 x 0,40	137,50	0,40	1,17	±0,10	3,20	8	313cc2601
H-REE 2601 NPC				143,00					9	213cc2601
H-REE 2607	26	0,14	7 x 0,16	130,20	0,48	1,24	+0,11 -0,10	3,60	8	313cc2607
H-REE 2607 NPC				138,50					9	213cc2607
H-REE 2619	26	0,16	19 x 0,10	122,40	0,48	1,24	+0,13 -0,10	3,80	8	313cc2619
H-REE 2619 NPC				134,50					9	213cc2619
H-REE 2401	24	0,20	1 x 0,51	86,00	0,51	1,27	±0,10	4,10	10	313cc2401
H-REE 2401 NPC				89,60					12	213cc2401
H-REE 2407	24	0,22	7 x 0,20	80,40	0,60	1,37	±0,10	4,80	10	313cc2407
H-REE 2407 NPC				85,30					12	213cc2407
H-REE 2419	24	0,24	19 x 0,13	77,40	0,60	1,37	+0,13 -0,10	5,00	10	313cc2419
H-REE 2419 NPC				82,70					12	213cc2419
H-REE 2201	22	0,32	1 x 0,64	54,10	0,64	1,41	±0,11	5,60	14	313cc2201
H-REE 2201 NPC				56,40					16	213cc2201
H-REE 2207	22	0,36	7 x 0,25	51,20	0,76	1,52	+0,11 -0,10	6,40	14	313cc2207
H-REE 2207 NPC				53,10					16	213cc2207
H-REE 2219	22	0,38	19 x 0,16	48,60	0,76	1,52	+0,16 -0,10	6,70	14	313cc2219
H-REE 2219 NPC				51,50					16	213cc2219
H-REE 2001	20	0,52	1 x 0,81	33,80	0,81	1,57	+0,11 -0,10	7,70	19	313cc2001
H-REE 2001 NPC				35,40					22	213cc2001
H-REE 2007	20	0,56	7 x 0,32	32,20	0,96	1,73	±0,10	8,90	19	313cc2007
H-REE 2007 NPC				33,50					22	213cc2007
H-REE 2019	20	0,60	19 x 0,20	29,90	0,96	1,73	±0,10	9,50	19	313cc2019
H-REE 2019 NPC				31,80					22	213cc2019
H-REE 1801	18	0,82	1 x 1,02	21,40	1,02	1,80	+0,13 -0,12	11,00	27	313cc1801
H-REE 1801 NPC				22,30					30	213cc1801
H-REE 1807	18	0,88	7 x 0,40	20,20	1,21	2,00	+0,13 -0,12	13,00	27	313cc1807
H-REE 1807 NPC				21,10					30	213cc1807
H-REE 1819	18	0,96	19 x 0,25	19,00	1,20	2,00	+0,13 -0,12	14,00	27	313cc1819
H-REE 1819 NPC				19,80					30	213cc1819
H-REE 1601	16	1,30	1 x 1,29	13,40	1,29	2,11	±0,15	16,00	32	313cc1601
H-REE 1601 NPC				14,00					36	213cc1601
H-REE 1619	16	1,23	19 x 0,29	14,90	1,36	2,26	±0,15	17,00	32	313cc1619
H-REE 1619 NPC				15,50					36	213cc1619
H-REE 1419	14	1,87	19 x 0,36	9,42	1,70	2,69	+0,21 -0,20	24,00	43	313cc1419
H-REE 1419 NPC				9,81					50	213cc1419
H-REE 1219	12	3,02	19 x 0,45	5,94	2,14	3,17	+0,21 -0,20	36,00	59	313cc1219
H-REE 1219 NPC				6,17					67	213cc1219

Available colours (replace 'cc' in the order reference)

00 Black 11 Brown 22 Red 33 Orange 44 Yellow 55 Green 66 Blue 77 Violet 88 Grey 99 White 29 Pink 89 Natural 45 Yel/Grn

Ref: EQ_REE_02 Created: CJV Approved: AE Date: 2013-09-12

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Single core - Wire wrap wire

Voltage	H-WE H-WET	600/1000V AC U ₀ /U 300/500 V AC U ₀ /U
Test voltage		3000V AC
Flame retardant		
Low smoke generation		
• Wire wrap wire		

Construction

Conductor	Silver Plated Oxygen Free Copper (SPOFHC)	Insulation	PTFE
Shield	-	Sheath	-

Application

A thin wall insulation material intended for applications up to 200°C. PTFE has good electrical properties and excellent fire performance. PTFE is primarily used in data and coaxial cables, as well as medical applications and control/signal cables for high temperatures. Available in both WKT (thin-wall, 300V) and WK (medium wall, 600V) sizes.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-WET 3001	30	0,05	1 x 0,25	354,00	0,25	0,57	± 0,02	0,8	3	581cc3001
H-WET 2801	28	0,08	1 x 0,32	223,00	0,32	0,66	± 0,02	1,1	4	581cc2801
H-WET 2601	26	0,13	1 x 0,40	140,00	0,40	0,79	± 0,02	1,6	6	581cc2601
H-WE 2401	24	0,20	1 x 0,51	86,90	0,51	1,07	± 0,02	2,3	9	581cc2401
H-WE 2201	22	0,32	1 x 0,64	55,10	0,64	1,22	± 0,03	3,9	12	581cc2201
H-WE 2001	20	0,51	1 x 0,81	34,10	0,81	1,42	± 0,03	5,4	16	581cc2001
H-WE 1801	18	1,02	1 x 1,02	21,60	1,02	1,65	± 0,04	5,8	16	581cc1801

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_WE_12 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	300/500V AC U ₀ /U
Test voltage	2500V AC
Halogen free	
Low smoke generation	

Construction

Conductor	Tin Plated Copper (TPC)	Insulation	TPS 130
Shield	-	Sheath	-

Application

Able to operate in applications up to 130°C, TPS 130 is an ideal choice for any application where high flexibility and / or high flex-life is a requirement. Available in medium-thin wall sizes TPS 130 is most suitable for general purpose applications.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-R 2619	26	0,16	19 x 0,10	131,60	0,48	0,88	± 0,07	1,9	5,8	914cc2619
H-R 2419	24	0,24	19 x 0,13	83,30	0,60	1,00	± 0,07	2,8	7,8	914cc2419
H-R 2219	22	0,38	19 x 0,16	52,20	0,76	1,16	± 0,07	4,2	10,7	914cc2219
H-R 0,5	-	0,50	16 x 0,20	40,10	0,88	1,28	± 0,07	5,3	13,0	914cc0050
H-R 2019	20	0,60	19 x 0,20	32,00	0,96	1,36	± 0,07	6,4	14,8	914cc2019
H-R 0,75	-	0,75	24 x 0,20	26,70	1,05	1,45	± 0,10	7,8	17,0	914cc0075
H-R 1819	18	0,96	19 x 0,20	20,40	1,20	1,60	± 0,10	9,7	20,3	914cc1819
H-R 1,0	-	1,00	32 x 0,20	20,00	1,20	1,60	± 0,10	10,6	20,2	914cc0100
H-R 1619	16	1,23	19 x 0,29	15,80	1,36	1,86	± 0,10	12,6	24,1	914cc1619
H-R 1,5	-	1,50	30 x 0,25	13,70	1,50	2,00	± 0,10	15,3	26,9	914cc0150
H-R 1419	14	1,94	19 x 0,36	10,00	1,71	2,21	± 0,10	19,3	33,0	914cc1419
H-R 2,5	-	2,50	50 x 0,25	8,21	1,95	2,45	± 0,10	24,1	38,3	914cc0250

Available colours (replace 'cc' in the order reference)

00 Black 11 Brown 22 Red 33 Orange 44 Yellow 55 Green 66 Blue 77 Violet 88 Grey 99 White 29 Pink - 45 Yel/Grn

Ref: EQ_R_03 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	250/500V AC U ₀ /U
Test voltage	2500V AC
Flame retardant	
Low smoke generation	

Construction

Conductor	H-HT HSA H-HT	Silver Plated High Strength Alloy (HSA) Silver Plated Copper (SPC)	Insulation	Wrapped TWI 205
Shield	-		Sheath	-

Application

TWI 205 is an ultra-thin wall, polyimide taped insulation and jacketing material. Intended for applications up to 200°C.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-HT 3207 HSA	32	0,04	7 x 0,08	652,90	0,24	0,50	± 0,05	0,5	3	533cc3207
H-HT 3001 HSA	30	0,05	1 x 0,25	406,80	0,25	0,51	± 0,05	0,8	5	533cc3001
H-HT 3007 HSA	30	0,06	7 x 0,10	387,10	0,30	0,56	± 0,05	0,8	5	533cc3007
H-HT 2801 HSA	28	0,08	1 x 0,32	257,20	0,32	0,58	± 0,05	1,1	7	533cc2801
H-HT 2807 HSA	28	0,09	7 x 0,13	245,40	0,38	0,64	± 0,05	1,1	8	533cc2807
H-HT 2601	26	0,13	1 x 0,40	137,50	0,40	0,66	± 0,05	1,8	10	516cc2601
H-HT 2619 HSA	26	0,16	19 x 0,10	122,40	0,48	0,77	± 0,05	1,8	11	533cc2619
H-HT 2619									11	516cc2619
H-HT 2401	24	0,20	1 x 0,51	86,00	0,51	0,77	± 0,05	2,7	12	516cc2401
H-HT 2419 HSA	24	0,24	19 x 0,13	77,40	0,60	0,86	± 0,05	2,7	13	533cc2419
H-HT 2419									13	516cc2419
H-HT 2201	22	0,32	1 x 0,64	54,10	0,64	0,90	± 0,05	4,1	16	516cc2201
H-HT 2219	22	0,38	19 x 0,16	48,60	0,76	1,06	± 0,05	4,1	17	516cc2219
H-HT 2001	20	0,52	1 x 0,81	33,80	0,81	1,07	± 0,05	6,3	20	516cc2001
H-HT 2019	20	0,60	19 x 0,20	29,90	0,97	1,27	± 0,07	6,3	22	516cc2019
H-HT 1819	18	0,96	19 x 0,25	19,00	1,21	1,53	± 0,07	9,4	29	516cc1819
H-HT 1619	16	1,23	19 x 0,29	14,90	1,36	1,69	± 0,07	11,6	35	516cc1619

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_HT_12 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	600/1000V AC U ₀ /U
Test voltage	3000V AC
Flame retardant	
Low smoke generation	

Construction

Conductor	H-H HSA H-H	Silver Plated High Strength Alloy (HSA) Silver Plated Copper (SPC)	Insulation	Wrapped TWI 205
Shield	-		Sheath	-

Application

TWI 205 is an ultra-thin wall, polyimide taped insulation and jacketing material. Intended for applications up to 200°C.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-H 3207 HSA	32	0,04	7 x 0,08	652,90	0,24	0,57	± 0,05	0,6	3	534cc3207
H-H 3001 HSA	30	0,05	1 x 0,25	406,80	0,25	0,58	± 0,05	0,8	5	534cc3001
H-H 3007 HSA	30	0,06	7 x 0,10	387,10	0,30	0,63	± 0,05	0,9	5	534cc3007
H-H 2801 HSA	28	0,08	1 x 0,32	257,20	0,32	0,65	± 0,05	1,2	7	534cc2801
H-H 2807 HSA	28	0,09	7 x 0,13	245,40	0,38	0,71	± 0,05	1,3	8	534cc2807
H-H 2601	26	0,13	1 x 0,40	137,50	0,40	0,73	± 0,05	1,9	10	514cc2601
H-H 2619 HSA	26	0,16	19 x 0,10	144,00	0,48	0,81	± 0,05	1,9	11	534cc2619
H-H 2619				122,40						514cc2619
H-H 2401	24	0,20	1 x 0,51	86,00	0,51	0,81	± 0,05	2,8	12	514cc2401
H-H 2419 HSA	24	0,24	19 x 0,13	91,20	0,60	0,93	± 0,05	2,8	13	534cc2419
H-H 2419				77,40						514cc2419
H-H 2201	22	0,32	1 x 0,64	54,10	0,64	0,94	± 0,05	4,2	16	514cc2201
H-H 2219	22	0,38	19 x 0,16	48,60	0,76	1,10	± 0,05	4,2	17	514cc2219
H-H 2001	20	0,52	1 x 0,81	33,80	0,81	1,11	± 0,05	6,5	20	514cc2001
H-H 2019	20	0,60	19 x 0,20	29,90	0,97	1,31	± 0,07	6,5	22	514cc2019
H-H 1819	18	0,96	19 x 0,25	19,00	1,21	1,57	± 0,07	9,9	29	514cc1819
H-H 1619	16	1,23	19 x 0,29	14,90	1,36	1,73	± 0,07	13,0	35	514cc1619
H-H 1419	14	1,87	19 x 0,36	9,42	1,70	2,19	± 0,10	20,0	53	514cc1419
H-H 1237	12	2,98	37 x 0,32	6,20	2,24	2,63	± 0,10	29,0	66	514cc1237
H-H 1037	10	4,65	37 x 0,40	3,90	2,82	3,21	± 0,15	45,0	82	514cc1819

Available colours (replace 'cc' in the order reference)

00 Black 11 Brown 22 Red 33 Orange 44 Yellow 55 Green 66 Blue 77 Violet 88 Grey 99 White 29 Pink 89 Natural 45 Yel/Grn

Ref: EQ_H_12 Created: CJV Approved: AE Date: 2013-09-12

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Single core

Voltage	1000/1900V AC U ₀ /U
Test voltage	5000V AC
Flame retardant	
Low smoke generation	

Construction

Conductor	H-HH HSA H-HH	Silver Plated High Strength Alloy (HSA) Silver Plated Copper (SPC)	Insulation	Wrapped TWI 205
Shield	-		Sheath	-

Application

TWI 205 is an ultra-thin wall, polyimide taped insulation and jacketing material. Intended for applications up to 200°C.

Description	Size		Conductor			Finished Wire			Electrical amps at 40°C	Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
H-HH 2601	26	0,13	1 x 0,40	137,50	0,40	0,84	± 0,05	2,2	10	515cc2601
H-HH 2619 HSA	26	0,16	19 x 0,10	144,00	0,48	0,95	± 0,05	2,2	11	535cc2619
H-HH 2401	24	0,20	1 x 0,51	86,00	0,51	0,95	± 0,05	3,1	12	515cc2401
H-HH 2419 HSA	24	0,24	19 x 0,13	91,20	0,60	1,07	± 0,05	3,1	13	535cc2419
H-HH 2201	22	0,32	1 x 0,64	54,10	0,64	1,08	± 0,05	4,6	16	515cc2201
H-HH 2219	22	0,38	19 x 0,16	48,60	0,76	1,24	± 0,07	4,6	17	515cc2219
H-HH 2001	20	0,52	1 x 0,81	33,80	0,81	1,25	± 0,07	6,9	20	515cc2001
H-HH 2019	20	0,60	19 x 0,20	29,90	0,97	1,45	± 0,07	6,9	22	515cc2019
H-HH 1819	18	0,96	19 x 0,25	19,00	1,21	1,71	± 0,07	11,0	29	515cc1819
H-HH 1619	16	1,23	19 x 0,29	14,90	1,36	1,87	± 0,07	13,0	35	515cc1619
H-HH 1419	14	1,87	19 x 0,36	9,42	1,70	2,36	± 0,10	21,0	53	515cc1419
H-HH 1237	12	2,98	37 x 0,32	6,20	2,24	2,80	± 0,10	32,0	66	515cc1237
H-HH 1037	10	4,65	37 x 0,40	3,90	2,82	3,38	± 0,15	49,0	82	515cc1819

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn
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Ref: EQ_HH_12 Created: CJV Approved: AE Date: 2013-09-12

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