


FEP / F25 HV

FEP insulated high voltage wires
Intended for use as internal wiring of equipment

2000 V AC

Order reference		Conductor				Finished wire				Electrical	
		Silver Plated Copper (SPC)				FEP			Weight	DC resistance	DC Current rating In free air at 40°C
		Size	Stranding	Wire	Core	Tolerance					
Description	Article Number	AWG	mm ²	# x mm	Nom Ø	Nom Ø	Min Ø	Max Ø	Nom g/m	Max Ω/km	Amps
F25 HV 2619	1128000104	26	0.16	19 x 0.102	0.50	2.40	2.30	2.50	11	122	12
F25 HV 2419	700030802	24	0.22	19 x 0.127	0.60	2.50	2.30	2.70	12	77.4	16

2500 V AC

Description	Article Number	AWG	mm ²	# x mm	Nom Ø	Nom Ø	Min Ø	Max Ø	Nom g/m	Max Ω/km	Amps
F25 HV 2219	700030801	22	0.34	19 x 0.160	0.80	2.95	2.70	3.20	17	48.6	21
F25 HV 2019	700044943	20	0.60	19 x 0.203	0.96	3.20	2.95	3.45	23	29.9	28
F25 HV 1819	1128000120	18	0.96	19 x 0.254	1.21	3.80	3.60	4.00	30	19.0	36
F25 HV 1619	1128000102	16	1.23	19 x 0.287	1.43	3.90	3.70	4.10	34	14.9	42

3000 V AC

Description	Article Number	AWG	mm ²	# x mm	Nom Ø	Nom Ø	Min Ø	Max Ø	Nom g/m	Max Ω/km	Amps
F25 HV 1,5	700018242	-	1.50	19 x 0.320	1.52	3.50	3.30	3.70	31	13.7	47

5000 V AC

Description	Article Number	AWG	mm ²	# x mm	Nom Ø	Nom Ø	Min Ø	Max Ø	Nom g/m	Max Ω/km	Amps
F25 HV 1419	1128000118	14	1.87	19 x 0.360	1.70	4.60	4.30	4.90	49	9.42	55
F25 HV 2,5	700011396	-	2.50	50 x 0.250	1.95	4.90	4.60	5.20	55	8.21	64
F25 HV 1237	700011395	12	2.97	37 x 0.320	2.40	5.40	5.10	5.70	60	6.20	72
F25 HV 4,0	700016507	-	4.00	56 x 0.300	2.60	5.30	5.00	5.60	70	5.09	85
F25 HV 6,0	700016508	-	6.00	84 x 0.300	3.20	5.80	5.50	6.10	95	3.39	108

Voltage rating: The rating applied either to ignition wire use, or where the insulated wire is not in direct contact with an earth plane

Core identification: All colours available - Article numbers listed above are Natural or Black (see individual drawing for details)



Marking Not applicable

Characteristics and key properties

CE	UK CA	RoHS REACH LVD	Current rating IEC 60287	Fluid resistant Fuel Oil Water	Flame resistant	Smoke free	MBR Fixed = 5x Ø Flexing = 10x Ø
						Temp low -65°C	Temp >20,000 hrs +200°C

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