

WINDING WIRES AND HIGH FREQUENCY
LITZ WIRES / HIGH FREQUENCY LITZ WIRES



These HF stranded wires are made from enamel-insulated wire by twisting several cores together. This largely suppresses the skin effect that occurs at higher frequencies.

HF stranded wires, triple insulated with FEP or ETFE

FEP	ETFE	Applications > Solar systems > Ballasts > Hearing appliances > Identification systems > Inductive heating elements > Power supplies > Proximity switches > Coils > Transformers > Ultrasonic generator
Conductor		
Nema MW 79	Nema MW 79	
Temperature Class		
155 °C		
Tensile strength		
20'000 N/mm2	45'000 N/mm2	
Operating voltage		
600 V	UL: 600 V VDE: 1000 V	
Insulation		
FEP	DuPont ETFE Tefzel®	
UL approvals		
UL60950-1 (Edition 2), Appendix U System approval UL1446 RXT-2, Class F		

Item number	Item number	Equiv. AWG	Conductor Ø [mm]	Cross section [mm ²]	Number of wires	AWG of the wires	Outer Ø [mm]	Recommended frequency range
HFTXXL350/38FXXX-2	HFTXXL350/38TXXX-2	12	2,83	3,61	350	38	2,71	400 - 850 kHz
HFTXXL350/38FXXX-3	HFTXXL350/38TXXX-3	12	2,83	3,61	350	38	2,87	400 - 850 kHz
HFTXXL825/44FXXX-2	HFTXXL825/44TXXX-2	13	1,67	2,13	825	44	2,45	400 - 850 kHz
HFTXXL825/44FXXX-3	HFTXXL825/44TXXX-3	13	1,67	2,13	825	44	2,60	400 - 850 kHz
HFTXXL120/38FXXX-2	HFTXXL120/38TXXX-2	15	0,97	1,24	120	38	1,74	50 - 100 kHz
HFTXXL120/38FXXX-3	HFTXXL120/38TXXX-3	15	0,97	1,24	120	38	1,90	50 - 100 kHz
HFTXXL550/44FXXX-2	HFTXXL550/44TXXX-2	16	1,11	1,42	550	44	2,05	400 - 850 kHz
HFTXXL550/44FXXX-3	HFTXXL550/44TXXX-3	16	1,11	1,42	550	44	2,21	400 - 850 kHz
HFTXXL66/38FXXX-2	HFTXXL66/38TXXX-2	18	0,54	0,68	66	38	1,4	50 - 100 kHz
HFTXXL66/38FXXX-3	HFTXXL66/38TXXX-3	18	0,54	0,68	66	38	1,6	50 - 100 kHz
HFTXXL108/40FXXX-2	HFTXXL108/40TXXX-2	18	0,53	0,67	108	40	1,36	100 - 200 kHz
HFTXXL108/40FXXX-3	HFTXXL108/40TXXX-3	18	0,53	0,67	108	40	1,5	100 - 200 kHz
HFTXXL360/44FXXX-2	HFTXXL360/44TXXX-2	18	0,73	0,93	360	44	1,72	400 - 850 kHz
HFTXXL360/44FXXX-3	HFTXXL360/44TXXX-3	18	0,73	0,93	360	44	1,87	400 - 850 kHz
HFTXXL07/28FXXX-2	HFTXXL07/28TXXX-2	20	0,56	0,72	7	28	1,35	60 Hz - 1 kHz
HFTXXL07/28FXXX-3	HFTXXL07/28TXXX-3	20	0,56	0,72	7	28	1,51	60 Hz - 1 kHz
HFTXXL19/36FXXX-2	HFTXXL19/36TXXX-2	21	0,24	0,31	19	36	1,0	20 - 50 kHz
HFTXXL19/36FXXX-3	HFTXXL19/36TXXX-3	21	0,24	0,31	19	36	1,17	20 - 50 kHz
HFTXXL230/44FXXX-2	HFTXXL230/44TXXX-2	22	0,47	0,59	230	44	1,43	400 - 850 kHz
HFTXXL230/44FXXX-3	HFTXXL230/44TXXX-3	22	0,47	0,59	230	44	1,59	400 - 850 kHz
HFTXXL19/34FXXX-2	HFTXXL19/34TXXX-2	22	0,38	0,49	19	34	1,20	20 kHz
HFTXXL19/34FXXX-3	HFTXXL19/34TXXX-3	22	0,38	0,49	19	34	1,35	20 kHz
HFTXXL40/40FXXX-2	HFTXXL40/40TXXX-2	24	0,20	0,25	40	40	0,95	100 - 200 kHz
HFTXXL07/32FXXX-2	HFTXXL07/32TXXX-2	24	0,23	0,29	7	32	0,98	10 kHz

Notes:

The dimensions listed are only a small selection. As all strands have tolerances in their structure, all dimensions are approximate values. For other dimensions or special tolerance requirements, please send us a detailed request.