

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 TCA3 (ETFE modified)

Conductor:	Nema MW 79
Insulation:	ETFE modified
Temperature Class:	155 °C
Operating voltage:	UL: 1500 V for electronics UL: 707 V for medical devices VDE: 1000 V
Tensile strength:	45'000 N/mm ²
Approvals	
UL60950-1 (Edition 2), Annex U / System approval UL1446 RXT-2, Class F	

Item number	Equiv. AWG	Conductor Ø [mm]	Cross section [mm ²]	Number of wires	AWG of the wires	Outer Ø [mm]	Recommended frequency range
HFTCA3 15/30	16	1,29	0,76	15	30	1,52	1 - 10 kHz
HFTCA3 7/30	22	0,84	0,35	7	30	1,07	1 - 10 kHz
HFTCA3 40/40	24	0,65	0,25	40	40	0,87	100 - 200 kHz
HFTCA3 7/32	24	0,68	0,20	7	32	0,91	10 kHz
HFTCA3 19/40	25	0,45	0,09	19	40	0,68	100 - 200 kHz
HFTCA3 5/32	26	0,57	0,16	5	32	0,80	10 kHz
HFTCA3 16/44	32	0,20	0,03	16	44	0,43	400 - 850 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.