

RUBADUEWIRE

Supplementary (2 layer) Insulation, Litz wire, Tefzel Insulation

Product Information

Temperature Rating: 155°C

Insulation: DuPont ETFE Tefzel®

Compliances: UL OBJT2 File No. E206198

UL/IEC 60950-1 (Ed. 2), Annex U

IEC 61558-1

VDE License Nr. 6715: Class F

UL 2601

System Approvals: UL 1446

RXT-2 Class F

TCA Class F

RoHS Compliant

Conductor: See below chart for most common conductors.

Litz options are not limited to the parts in chart

Core Diameter: Size listed below in chart

OD Size: Size listed below in chart

Size fluctuates with variances in litz wire size

Voltage: UL: 600 V

VDE: 1000V

Insulation Information:

Insulation Type: Fluoropolymer

Dielectric Constant: 2.6

Abrasion Resistance: Excellent

Chemical Resistance: Excellent

Underground Resistance: Excellent

Thermal: Continuous Operating Temperature, 150°C

Tensile Strength (psi): 6500

Bondability: Poor

Water Resistance: Excellent

Long Term Stability: Excellent

UL Flammability Rating: V-0

Elongation (%): 150-300

UV Resistance: Excellent

ETFE is a Fluoropolymer compound with excellent electrical properties, heat resistance, chemical resistance, and abrasion resistance.

Commonly used in winding wires, UL AWM wires, and medical applications

Insulated Wire Information:

Part Number	Conductor Information					Insulated Conductor Information	
	Equiv. AWG	Core O.D. (in)	Circular Mils.	No. Strands	AWG of Strands	Nominal O.D (in)	Suggested Operating Frequency
DXXL825/44TXX-3(MWXX)	11	0.0844	3300	825	44	0.0964	400 - 850 khz
DXXL120/38TXX-2(MWXX)	15	0.0567	1920	120	38	0.0647	50 - 100 khz
DXXL120/38TXX-3(MWXX)	15	0.0567	1920	120	38	0.0687	50 - 100 khz
DXXL550/44TXX-2(MWXX)	13	0.0689	2200	550	44	0.0769	400 - 850 khz
DXXL550/44TXX-3(MWXX)	13	0.0689	2200	550	44	0.0810	400 - 850 khz
DXXL100/38TXX-2(MWXX)	16	0.0518	1600	100	38	0.0598	50 - 100 khz
DXXL100/38TXX-3(MWXX)	16	0.0518	1600	100	38	0.0638	50 - 100 khz
DXXL07/28TXX-2(MWXX)	18	0.0413	1110	7	28	0.0493	60 hz - 1 khz
DXXL07/28TXX-3(MWXX)	18	0.0413	1110	7	28	0.0533	60 hz - 1 khz
DXXL66/38TXX-2(MWXX)	18	0.0420	1056	66	38	0.0500	50 - 100 khz
DXXL66/38TXX-3(MWXX)	18	0.0420	1056	66	38	0.0540	50 - 100 khz
DXXL360/44TXX-2(MWXX)	15	0.0557	1440	360	44	0.0637	400 - 850 khz
DXXL360/44TXX-3(MWXX)	15	0.0557	1440	360	44	0.0677	400 - 850 khz
DXXL20/34TXX-2(MWXX)	19	0.0360	794	20	34	0.0440	20 khz
DXXL20/34TXX-3(MWXX)	19	0.0360	794	20	34	0.0480	20 khz
DXXL07/30TXX-2(MWXX)	20	0.0331	700	7	30	0.0411	1 - 10 khz
DXXL07/30TXX-3(MWXX)	20	0.0331	700	7	30	0.0451	1 - 10 khz
DXXL19/36TXX-2(MWXX)	21.5	0.0281	475	19	36	0.0361	20 - 50 khz
DXXL19/36TXX-3(MWXX)	21.5	0.0281	475	19	36	0.0401	20 - 50 khz
DXXL07/32TXX-2(MWXX)	21.5	0.0267	448	7	32	0.0347	10 khz
DXXL07/32TXX-3(MWXX)	21.5	0.0267	448	7	32	0.0387	10 khz
DXXL40/40TXX-2(MWXX)	22	0.0254	385	40	40	0.0334	100 - 200 khz
DXXL230/44TXX-2(MWXX)	17	0.0445	920	230	44	0.0525	400 - 850 khz
DXXL05/32TXX-2(MWXX)	23	0.0226	320	5	32	0.0306	10 khz

Bare Core Wire Specifications:

POLY-NYLON

(Class 155) (MW-80C)

The litz core wire consists of nylon enamel film over a polyurethane enamel base coat. The nylon improves cut through temperature, windability, resistance to abrasion, and resistance to chemicals and solvents without a change to the soldering properties. Because of these properties, this insulation is preferred on 30awg and larger when a solderable film is required.