

ETFE, FEP, PFA Cables

FEP and PFA insulated stranded hook-up wire

Li6Ybl, Li6Yvz, and LiPFAvn with extended temperature range

375V



Construction:

Conductor:	
Li6Ybl:	bare tinned copper strands
Li6Yvz:	tinned copper strands
LiPFAvn:	nickel-plated copper strands acc. to ASTM B 286
Insulation:	
Li6Ybl & Li6Yvz:	FEP, 6Y11 acc. to VDE 0207-6
LiPFAvn:	PFA, 51Y11 acc. to VDE 0207-6



Outstanding features:

- excellent resistance against chemicals and solvents
- excellent temperature resistance and flexibility at low temperatures
- excellent electrical insulating characteristics with low, nearly frequency-independent dielectric characteristics
- UL recognized

Li6Ybl - bare copper / FEP insulation

item no.	AWG/stranding	outer-ø approx. inch	approx. mm	cable weight ≈lbs/mft
► 3339 .. 28	28 AWG/7	0.028	0.70	1
► 3339 .. 26	26 AWG/7	0.031	0.80	1
► 3339 .. 24	24 AWG/7	0.037	0.93	2
► 3339 .. 22	22 AWG/7	0.043	1.08	3
► 3339 .. 20	20 AWG/7	0.050	1.28	4

Li6Yvz - tinned copper / FEP insulation

item no.	AWG/stranding	outer-ø approx. inch	approx. mm	cable weight ≈lbs/mft
► 3340 .. 28	28 AWG /7	0.028	0.70	1
► 3340 .. 26	26 AWG/7	0.031	0.80	1
► 3340 .. 24	24 AWG/7	0.037	0.93	2
► 3340 .. 22	22 AWG/7	0.043	1.08	3
► 3340 .. 20	20 AWG/7	0.050	1.28	4
► 3340 .. 16	16 AWG/7	0.070	1.79	9

LiPFAvn - nickel-plated copper / PFA insulation

item no.	AWG/stranding	outer-ø approx. inch	approx. mm	cable weight ≈lbs/mft
► 3344 .. 28	28 AWG /7	0.028	0.71	1
► 3344 .. 26	26 AWG/7	0.031	0.80	1
► 3344 .. 24	24 AWG/7	0.037	0.93	2
► 3344 .. 22	22 AWG/7	0.043	1.08	3
► 3344 .. 20	20 AWG/7	0.050	1.28	4

Other dimensions and colors are available on request

Technical data:

Peak operating voltage:	max. 375 V	
Voltage UL:	600 V	
Testing voltage:	2000 V	
Installation:	for one single bend the inner bending radius must not be smaller than 0.5 x outer diameter of the insulated strands	
Radiation resistance:	FEP: 1×10^7 cJ/kg	PFA: 1×10^8 cJ/kg
Temperature range:	FEP: static: -90/+180°C flexible: -55/+180°C short-term use: +200°C	PFA: static: -90/+250°C flexible: -55/+250°C short-term use: +260°C
UL:	up to +150°C	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT2	
Oil resistance:	very good acc. to UL standard 758, at 80°C after 80 days	
Chemical resistance:	very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds	
Approvals:	UR AWM, CE, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

Color code for single conductors:

01 = black	05 = yellow	09 = orange
02 = blue	06 = green	11 = red
03 = brown	07 = violet	15 = nature
04 = gray	08 = white	

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Possible on request:

- ETFE insulated strands