

ETFE, FEP, PFA Cables

FEP and PFA insulated stranded hook-up wire

Li6Ybl, Li6Yvz, and LiPFAvn with extended temperature range

375V



Construction:

Conductor:	bare, tinned, or nickel-plated copper strands acc. to ASTM B 286
Insulation:	FEP, 6Y11 acc. to VDE 0207-6 or 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

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 x 10 ⁷ cJ/kg	PFA: 1 x 10 ⁸ cJ/kg
Temperature range:	FEP: <i>static:</i> -90/+180°C <i>flexible:</i> -55/+180°C <i>limited time of use:</i> +200°C	PFA: -90/+250°C -55/+250°C +260°C
	UL: up to +150°C	up to +250°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, EAC, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

Li6Ybl - bare copper / FEP insulation

item no.	AWG	nominal outer-ø		cable weight
		inch	mm	≈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

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	

Li6Yvz - tinned copper / FEP insulation

item no.	AWG	nominal outer-ø		cable weight
		inch	mm	≈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	nominal outer-ø		cable weight
		inch	mm	≈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



Possible on request:

- ETFE insulated strands