ETFE, FEP, and PFA insulated stranded hook-up wire

Li7Ybl, Li6Ybl, Li6Yvz, and LiPFAvn with extended temperature range

900V

Construction:

Conductor:	bare, tinned, or nickel-plated copper strands acc. to ASTM B 286
Insulation:	ETFE, 7Y11 acc. to VDE 0207-6 or FEP, 6Y11 acc. to VDE 0207-6 or PFA, 51Y11 acc. to VDE 0207-6

Outstanding features:

- **ETFE:**
  - high resistance against chemicals and solvents
  - low and high temperature resistance
  - good electrical insulating characteristics with low, nearly frequency-independent dielectric characteristics
- **FEP + PFA:**
  - 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
- **FEP + PFA:**
  UL recognized

Technical data:

Peak operating voltage:	max. 900 V		
Voltage UL:	**FEP/PFA:** 600 V		
Testing voltage:	2500 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:	**ETFE:** 2 x 10^8 cJ/kg	**FEP:** 1 x 10^7 cJ/kg	**PFA:** 1 x 10^6 cJ/kg
Temperature range: *static:* *flexible:* *limited time of use:* **UL:**	**ETFE:** -90/+135°C -55/+135°C +150°C	**FEP:** -90/+180°C -55/+180°C +200°C up to +150°C	**PFA:** -90/+250°C -55/+250°C +260°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 (FEP and PFA version)		
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:	**FEP/PFA:** UR AWM, CE, EAC, RoHS	**ETFE:** CE, EAC, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30		

Li7Ybl
bare copper / ETFE insulation

item no.	AWG	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 3345 .. 28	28 AWG /7	0.037	0.93	1
▶ 3345 .. 26	26 AWG/7	0.041	1.03	2
▶ 3345 .. 24	24 AWG/7	0.046	1.16	2
▶ 3345 .. 22	22 AWG/7	0.052	1.31	3
▶ 3345 .. 20	20 AWG/7	0.059	1.51	5
▶ 3345 .. 18	18 AWG/7	0.070	1.78	7
▶ 3345 .. 16	16 AWG/7	0.076	1.94	9
▶ 3345 .. 14	14 AWG/7	0.091	2.30	14
▶ 3345 .. 12	12 AWG/7	0.109	2.76	22

Li6Ybl
bare copper / FEP insulation

item no.	AWG	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 3348 .. 26	26 AWG/7	0.041	1.03	2
▶ 3348 .. 24	24 AWG/7	0.046	1.16	2
▶ 3348 .. 22	22 AWG/7	0.052	1.31	3
▶ 3348 .. 20	20 AWG/7	0.059	1.51	5
▶ 3348 .. 18	18 AWG/7	0.070	1.78	8
▶ 3348 .. 16	16 AWG/7	0.076	1.94	9
▶ 3348 .. 14	14 AWG/7	0.091	2.30	15
▶ 3348 .. 12	12 AWG/7	0.109	2.76	22

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 inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 3349 .. 28	28 AWG /7	0.037	0.93	1
▶ 3349 .. 26	26 AWG/7	0.041	1.03	2
▶ 3349 .. 24	24 AWG/7	0.046	1.16	2
▶ 3349 .. 22	22 AWG/7	0.052	1.31	3
▶ 3349 .. 20	20 AWG/7	0.059	1.51	5
▶ 3349 .. 18	18 AWG/7	0.070	1.78	8
▶ 3349 .. 16	16 AWG/7	0.076	1.94	9
▶ 3349 .. 14	14 AWG/7	0.091	2.30	15
▶ 3349 .. 12	12 AWG/7	0.109	2.76	22

LiPFAvn
nickel-plated copper / PFA insulation

item no.	AWG	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 3353 .. 28	28 AWG /7	0.038	0.96	1
▶ 3353 .. 26	26 AWG/7	0.042	1.06	2
▶ 3353 .. 24	24 AWG/7	0.046	1.17	2
▶ 3353 .. 22	22 AWG/7	0.053	1.34	3
▶ 3353 .. 20	20 AWG/7	0.061	1.54	5
▶ 3353 .. 18	18 AWG/7	0.071	1.81	7
▶ 3353 .. 16	16 AWG/7	0.078	1.97	9

Other dimensions and colors are available on request