

ETFE, FEP, PFA Cables

FEP and PFA insulated stranded hook-up wire

Li6Ybl, Li6Yvz, LiPFAvn - with extended temperature range

375 V



Construction:

Conductor:	Li6Ybl: bare copper strands
	Li6Yvz: tinned copper strands
Insulation:	LiPFAvn: nickel-plated copper strands
	acc. to ASTM B 286

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 ⁶ cJ/kg
Temperature range	FEP: -90/+180 °C PFA: -90/+250 °C
fixed laying:	-55/+180 °C
flexible application:	-55/+250 °C
limited time of use:	+200 °C
UL:	up to +150 °C up to +250 °C
Fire performance:	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
Chem. resistance:	very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

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Li6Ybl

item no. bare copper FEP	AWG	nominal single wire ø mm	approx. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
3339 .. 28*	28/7	0,127	0,70	0,9	1,4
3339 .. 26*	26/7	0,160	0,80	1,4	2,0
3339 .. 24*	24/7	0,203	0,93	2,2	2,9
3339 .. 22*	22/7	0,254	1,08	3,4	4,2
3339 .. 20*	20/7	0,320	1,28	5,4	6,3

* ETFE, FEP, PFA colour code,
figures 5 and 6 of item no.:

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

Li6Yvz

item no. tinned copper FEP	AWG	nominal single wire ø mm	approx. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
3340 .. 28*	28/7	0,127	0,70	0,9	1,4
3340 .. 26*	26/7	0,160	0,80	1,4	2,0
3340 .. 24*	24/7	0,203	0,93	2,1	2,9
3340 .. 22*	22/7	0,254	1,08	3,4	4,2
3340 .. 20*	20/7	0,320	1,28	5,4	6,3
3340 .. 16*	16/19	0,287	1,79	11,8	12,7

LiPFAvn

item no. nickel-plated copper PFA	AWG	nominal single wire ø mm	approx. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
3344 .. 28*	28/7	0,127	0,71	0,9	1,4
3344 .. 26*	26/7	0,160	0,80	1,4	2,0
3344 .. 24*	24/7	0,203	0,93	2,2	2,9
3344 .. 22*	22/7	0,254	1,08	3,4	4,2
3344 .. 20*	20/7	0,320	1,28	5,4	6,3

Other dimensions and colours are possible on request.

ETFE insulated strands on request.