

(N)7YAbI · (N)7YAvz · (N)7YAvs · (N)7YAvn

ETFE insulated wires with extended temperature range



Construction:

Conductor:	blank, tinned, silver-plated or nickel-plated copper wire acc. to IEC 60228, EN 60228, VDE 0295 class 1 < 0.50 mm ² acc. to DIN VDE 0250 part 106
Insulation:	ETFE, 7Y11 acc. to VDE 0207 part 6

Outstanding features:

- high resistance against chemicals and solvents
- low and high temperature resistance
- good electrical insulating characteristics with low, nearly frequency-independent dielectric characteristics
- EAC approval

Technical data:

Nominal voltage U₀/U:	450/750 V
Testing voltage:	2500 V
Min. bending radius:	7.5 x d
Radiation resistance:	2 x 10 ⁸ cJ/kg
Temperature range	
<i>fixed laying:</i>	-55/+135 °C
<i>flexible application:</i>	-55/+135 °C
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
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 page N/17

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ETFE (7Y) bare copper item no.	ETFE (7Y) tinned copper item no.	dim. mm ²	nominal ø single wire ø mm	max. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
3374 .. 25	3375 .. 25	0,25	0,57	1,42	2,4	4,6
3374 .. 50	3375 .. 50	0,50	0,80	1,65	4,8	7,4
3374 .. 75	3375 .. 75	0,75	0,98	1,83	7,2	10,0
3374 .. 80	3375 .. 80	1,00	1,13	1,98	9,6	13,0
3374 .. 82	3375 .. 82	1,50	1,38	2,43	14,4	19,0
3374 .. 84	3375 .. 84	2,50	1,78	3,03	24,0	31,0
3374 .. 86	3375 .. 86	4,00	2,26	3,51	38,4	47,0
3374 .. 87	3375 .. 87	6,00	2,76	4,01	57,6	67,0

ETFE (7Y) silver-plated copper item no.	ETFE (7Y) nickel-plated copper item no.	dim. mm ²	nominal ø single wire ø mm	max. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
3376 .. 25	3377 .. 25	0,25	0,57	1,42	2,4	4,6
3376 .. 50	3377 .. 50	0,50	0,80	1,65	4,8	7,4
3376 .. 75	3377 .. 75	0,75	0,98	1,83	7,2	10,0
3376 .. 80	3377 .. 80	1,00	1,13	1,98	9,6	13,0
3376 .. 82	3377 .. 82	1,50	1,38	2,43	14,4	19,0
3376 .. 84	3377 .. 84	2,50	1,78	3,03	24,0	31,0
3376 .. 86	3377 .. 86	4,00	2,26	3,51	38,4	47,0
3376 .. 87	3377 .. 87	6,00	2,76	4,01	57,6	67,0

Other dimensions and colours are possible on request.

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

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