

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

ETFE insulated wires with extended temperature range



### Construction:

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

### Outstanding features:

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

### Technical data:

<b>Nominal voltage U<sub>0</sub>/U:</b>	450/750 V
<b>Testing voltage:</b>	2500 V
<b>Min. bending radius:</b>	7.5 x d
<b>Radiation resistance:</b>	2 x 10 <sup>8</sup> cJ/kg
<b>Temperature range</b>	
<i>fixed laying:</i>	-55/+135 °C
<i>flexible application:</i>	-55/+135 °C
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
<b>Chem. resistance:</b>	very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/14

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ETFE (7Y) bare copper item no.	ETFE (7Y) tinned copper item no.	dim. mm <sup>2</sup>	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 <sup>2</sup>	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.:

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