

TA 866 F FEP connection cable with extended temperature range



Construction:

Conductor:	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	FEP, 6Y11 acc. to VDE 0207 part 6
Colour code:	coloured acc. to HD 308, up to 6 cores black cores with consecutive numbers acc. to EN 50334, green-yellow earth wire from 3 cores
Stranding:	in layers
Sheath material:	FEP, 6YM1 acc. to VDE 0207 part 6
Sheath colour:	black (RAL 9005)

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
- EAC approval

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage:	2000 V
Min. bending radius:	7.5 x d
Radiation resistance:	1 x 10 ⁶ cJ/kg
Temperature range	
<i>fixed laying:</i>	-55/+180 °C
<i>flexible application:</i>	-55/+180 °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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item no.	no. of cores x cross section n x mm ²	largest single wire ø mm	max. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
38660205	2 x 0,50	0,21	3,8	9,6	21,0
38660207	2 x 0,75	0,21	4,6	14,4	29,0
38660210	2 x 1,00	0,21	4,8	19,2	34,0
38660215	2 x 1,50	0,26	5,4	28,8	46,0
38660225	2 x 2,50	0,26	6,6	48,0	70,0
38660240	2 x 4,00	0,31	8,1	76,8	107,0
38660260	2 x 6,00	0,31	9,2	115,2	147,0
38660305	3 x 0,50	0,21	4,2	14,4	30,0
38660307	3 x 0,75	0,21	4,9	21,6	40,0
38660310	3 x 1,00	0,21	5,1	28,8	47,0
38660315	3 x 1,50	0,26	5,8	43,2	63,0
38660325	3 x 2,50	0,26	7,0	72,0	97,0
38660340	3 x 4,00	0,31	8,7	115,2	152,0
38660360	3 x 6,00	0,31	9,8	172,8	210,0
38660405	4 x 0,50	0,21	4,6	19,2	38,0
38660407	4 x 0,75	0,21	5,5	28,8	53,0
38660410	4 x 1,00	0,21	5,7	38,4	63,0
38660415	4 x 1,50	0,26	6,4	57,6	80,0
38660425	4 x 2,50	0,26	7,8	96,0	129,0
38660440	4 x 4,00	0,31	9,6	153,6	197,0

item no.	no. of cores x cross section n x mm ²	largest single wire ø mm	max. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
38660460	4 x 6,00	0,31	10,9	230,4	274,0
38660505	5 x 0,50	0,21	5,1	24,0	48,0
38660507	5 x 0,75	0,21	6,0	36,0	67,0
38660510	5 x 1,00	0,21	6,3	48,0	79,0
38660515	5 x 1,50	0,26	7,1	72,0	102,0
38660525	5 x 2,50	0,26	8,7	120,0	163,0
38660540	5 x 4,00	0,31	10,7	192,0	250,0
38660560	5 x 6,00	0,31	12,1	288,0	348,0
38660705	7 x 0,50	0,21	5,7	33,6	63,0
38660707	7 x 0,75	0,21	6,7	50,4	86,0
38660710	7 x 1,00	0,21	7,0	67,2	102,0
38660715	7 x 1,50	0,26	7,8	100,8	135,0
38660725	7 x 2,50	0,26	9,7	168,0	217,0
38660740	7 x 4,00	0,31	12,0	268,8	339,0
38660760	7 x 6,00	0,31	13,6	403,2	473,0
38661205	12 x 0,50	0,21	7,6	57,6	105,0
38661207	12 x 0,75	0,21	9,0	89,4	144,0
38661210	12 x 1,00	0,21	9,4	115,2	172,0
38661215	12 x 1,50	0,26	10,5	172,8	228,0
38661225	12 x 2,50	0,26	13,1	288,0	366,0

Other dimensions and colours are possible on request.