



Fluoroplastic stranded wires FEP

Insulation:
Fluoroethylene propylene (FEP)

Conductor:
silver-plated copper (SPC)

Specification:
based on NEMA-HP4

Colors:
black, brown, red, orange, yellow, green, blue, violet, grey, white, pink, transparent

Temperature range:
- 65 to 200 °C

Dimensions:

Type: Operating voltage:					KT, thin-walled					K, normal-walled					KK, thick-walled				
					250/500V AC U0/U					600/1000V AC U0/U					1000/1900V AC U0/U				
AW G	Stran ds	Manager			Master number	with insulation				Master numbe r	with insulation				Master number	with insulation			
met r.	Quant ity x Ø	Øno m	Cros s- secti on	R		Øm in	Øm ax	Weig ht	Im ax		Ømi n]	Øm ax	Weig ht	Im ax		Øm in	Øm ax	Weig ht	Im ax
		[mm]	[mm 2]	[Ω/k m]		[m m]	[mm]	[g/m]	[A]		[mm]	[mm]	[g/m]	[A]		[m m]	[mm]	[g/m]	[A]
32	7 x 0,079	0,24	0,03	597, 1	FLKT32 07S	0,5 1	0,61	0,8	4	FLK32 07S	0,64	0,84	1,2	4	FLKK32 07S	0,8 9	1,09	1,9	4
	19 x 0,051	0,24	0,04	554, 5	---	---	---	---	---	FLK32 19 S	0,66	0,86	1,3		FLKK32 19S	0,8 9	1,09	1,9	
30	7 x 0,102	0,30	0,06	354, 3	FLKT30 07S	0,5 6	0,66	1,0	7	FLK30 07S	0,71	0,91	1,5	5	FLKK30 07S	0,9 7	1,17	2,37	6
	19 x 0,064	0,30	0,06	347, 8	---	---	---	---	---	FLK30 19S	0,71	0,91	1,5		FLKK30 19S	0,9 7	1,17	2,3	
28	7 x 0,127	0,38	0,09	223, 8	FLKT28 07S	0,6 4	0,74	1,4	9	FLK28 07S	0,79	0,99	2,0	7	FLKK28 07S	1,0 4	1,24	2,7	8
Type: Operating voltage:					KT, thin-walled					K, normal-walled					KK, thick-walled				
					250/500V AC U0/U					600/1000V AC U0/U					1000/1900V AC U0/U				

AW G met r.	Stran ds	Manager			Master number	with insulation				Master numbe r	with insulation				Master number	with insulation			
	Quant ity x Ø	Øno m	Cros s- secti on	R		Øm in	Øm ax	Weig ht	Im ax		Ømi n]	Øm ax	Weig ht	Im ax		Øm in	Øm ax	Weig ht	Im ax
		[mm]	[mm 2]	[Ω/k m]		[m m]	[mm]	[g/m]	[A]		[mm]	[mm]	[g/m]	[A]		[m m]	[mm]	[g/m]	[A]
	19 x 0,079	0,37	0,09	222, 1	---	---	---	---	---	FLK28 19S	0,79	0,99	2,0		FLKK28 19S	1,0 4	1,24	2,7	
26	7 x 0,160	0,48	0,14	139, 8	FLKT26 07S	0,7 4	0,84	2,0	12	FLK26 07S	0,89	1,09	2,7	10	FLKK26 07S	1,1 4	1,35	3,5	10
	19 x 0,102	0,48	0,15	131, 6	FLKT26 19S	0,7 4	0,84	2,1	12	FLK26 19S	0,89	1,09	2,8		FLKK26 19S	1,1 4	1,35	3,6	
24	7 x 0,203	0,60	0,23	86,0	FLKT24 07S	0,8 6	0,96	2,9	12	FLK24 07S	1,02	1,22	3,7	13	FLKK24 07S	1,2 7	1,47	4,6	13
	19 x 0,127	0,60	0,24	83,3	FLKT24 19S	0,8 6	0,96	2,9	12	FLK24 19S	1,02	1,22	3,9		FLKK24 19S	1,2 7	1,47	4,7	
0,2 5	14 x 0,150	0,66	0,25	76,9	FLKT00 25S	0,9 0	1,00	4,0	14	FLK00 25S	1,10	1,20	4,0	15	---	---	---	---	---
22	7 x 0,254	0,76	0,35	54,8	FLKT22 07S	1,0 2	1,12	4,4	14	FLK22 07S	1,17	1,37	5,27	17	FLKK22 07S	1,5 2	1,63	6,1	18
	19 x 0,160	0,76	0,38	52,2	FLKT22 19	1,0 2	1,12	4,49	14	FLK22 19S	1,17	1,37	5,5		FLKK22 19S	1,5 2	1,63	6,4	
0,5 0	19 x 0,185	0,88	0,50	40,1	FLKT05 00S	1,2 0	1,30	6,0	22	FLK00 50S	1,40	1,50	7,0	23	---	---	---	---	---
20	7 x 0,320	0,96	0,56	34,1	FLKT20 07S	1,2 2	1,32	6,3	22	FLK20 07S	1,37	1,57	7,5		FLKK20 07S	1,7 3	1,83	8,5	23
	19 x 0,203	0,96	0,62	32,0	FLKT20 19S	1,2 2	1,32	6,6	22	FLK20 19S	1,37	1,57	8,1		FLKK20 19S	1,7 3	1,83	9,0	
0,7 5	19 x 0,225	1,13	0,75	26,7	FLKT00 75S	1,4 0	1,50	9,0	29	FLK00 075	1,60	1,70	10,0	29	---	---	---	---	---
18	7 x 0,404	1,21	0,90	21,5	---	---	---	---	---	FLK18 07S	1,63	1,88	11,1	30	FLKK18 07S	2,0 1	2,13	12	31
	19 x 0,254	1,20	0,96	20,4	---	---	---	---	---	FLK18 19S	1,63	1,88	11,4		FLKK18 19S	2,0 1	2,13	13	
1,0 0	32 x 0,200	1,20	1,00	20,0	---	---	---	---	---	FLK01 00S	1,75	1,85	13,0	35	---	---	---	---	---
16	19 x 0,287	1,36	1,23	15,8	---	---	---	---	---	FLK16 19 S	1,85	2,21	14,		FLKK16 19S	2,1 1	2,26	16,5	
1,5 0	30 x 0,250	1,50	1,50	13,7	---	---	---	---	---	FLK01 50S	2,03	2,13	17,0	44	---	---	---	---	---
14	19 x 0,361	1,71	1,94	10,0	---	---	---	---	---	FLK14 19S	2,24	2,59	22,3	52	FLKK14 19S	2,6 9	2,90	24	53
2,5 0	50 x 0,250	1,95	2,50	8,21	---	---	---	---	---	FLK02 50S	2,53	2,63	28,0	61	---	---	---	---	--
12	19 x 0,455	2,15	3,08	6,30	---	---	---	---	---	FLK12 19S	2,72	3,07	34,0	70	FLKK12 19S	3,1 8	3,38	36	71
	37 x 0,320	2,24	2,98	6,59	---	---	---	---	---	FLK12 37S	2,67	3,02	34,2		FLKK12 37S	3,1 2	3,33	37	

Type: Operating voltage:					KT, thin-walled					K, normal-walled					KK, thick-walled				
					250/500V AC U0/U					600/1000V AC U0/U					1000/1900V AC U0/U				
AW G met r.	Stran ds	Manager			Mast er numb er	with insulation				Master number	with insulation				Master number	with insulation			
	Quant ity x Ø	Øno m	Cros s- secti on	R		Øm in	Øm ax	Weig ht	Im ax		Ømi n]	Øm ax	Weig ht	Im ax		Ømi n	Øm ax	Weig ht	Im ax
		[mm]	[mm 2]	[Ω/k m]		[m m]	[mm]	[g/m]	[A]		[mm]	[mm]	[g/m]	[A]		[m m]	[mm]	[g/m]	[A]
4,0 0	56 x 0,300	2,48	4,00	5,09	---	---	---	---	---	FLK040 0S	3,08	3,18	42,0	83	---	---	---	---	---
10	37 x 0,404	2,82	4,74	4,13	---	---	---	---	---	FLK103 7S	3,22	3,58	50,7	---	---	---	---	---	---
6,0 0	84 x 0,300	2,92	6,00	3,39	---	---	---	---	---	FLK060 0S	3,78	3,88	62,0	---	---	---	---	---	---
8	133 x 0,287	4,10	8,61	2,30	---	---	---	---	---	FLK813 3S	4,70	5,05	90,7	---	FLKK81 33S	5,0 5	5,56	98	14 0
6	133 x 0,361	5,13	12,6	1,46	---	---	---	---	---	---	---	---	---	---	FLKK61 33S	7,2 6	7,65	174	19 1
4	133 x 0,455	6,75	21,6	0,92 0	---	---	---	---	---	---	---	---	---	---	FLKK41 33S	8,8 6	9,37	267	25 8
2	665 x 0,254	8,51	33,7	0,58 0	---	---	---	---	---	---	---	---	---	---	FLKK26 65S	10, 03	10,5 4	376	33 9
1	817 x 0,254	9,60	41,4	0,49 0	---	---	---	---	---	---	---	---	---	---	FLKK18 17S	10, 07	12,5 7	469	39 1

Values for I_{max} at 40 °C

Article number:

Master number - Color

Colors: red (RT), blue (BL), black (SW), white (WS), green (GN), brown (BR), violet (VI), orange (OR), yellow (GE), grey (GR), pink (RS), transparent (TR))

Example: FLKT3807SRT

FLKT3807S = master number

RT = red

Stranded wires FEP, tinned copper, -65 to 180 °C

Insulation:

Fluoroethylene propylene (FEP)

Conductor:

Tin-plated copper (TPC)

Colors:

black, brown, red, orange, yellow, green, blue, violet, grey, white, pink, transparent

Temperature range:

- 65 to 180 °C

Dimensions:

Type:					KT, thin-walled					K, normal-walled					KK, thick-walled				
Operating voltage:					250/500V AC U0/U					600/1000V AC U0/U					1000/1900V AC U0/U				
AW G	Strand s	Manager			Master number	with insulation				Master numbe r	with insulation				Master number	with insulation			
	Quanti ty x Ø	Øno m	Cros s- secti on	R		Øm in	Øm ax	Weig ht	Im ax		Ømi n]	Øm ax	Weig ht	Im ax		Øm in	Øm ax	Weig ht	Im ax
	[mm]	[mm 2]	[mm 2]	[Ω/k m]		[m m]	[mm]	[g/m]	[A]		[mm]	[mm]	[g/m]	[A]		[m m]	[mm]	[g/m]	[A]
32	7x0,079	0,24	0,03	597,1	FLKT32 07T	0,51	0,61	0,8	4	FLK32 07T	0,64	0,84	1,2	4	FLKK32 07T	0,89	1,09	1,9	4
	19x0,051	0,24	0,04	554,5	FLKT32 19T	0,51	0,61	0,8	4	FLK32 19 T	0,66	0,86	1,3	4	FLKK32 19T	0,89	1,09	1,9	4
30	7x0,102	0,30	0,06	354,3	FLKT30 07T	0,56	0,66	1,0	5	FLK30 07T	0,71	0,91	1,5	5	FLKK30 07T	0,97	1,17	2,37	6
	19 x 0,064	0,30	0,06	347,8	FLKT30 19T	0,56	0,66	1,0	5	FLK30 19T	0,71	0,91	1,5	5	FLKK30 19T	0,97	1,17	2,3	6
28	7 x 0,127	0,38	0,09	223,8	FLKT28 19T	0,64	0,74	1,4	7	FLK28 07T	0,79	0,99	2,0	7	FLKK28 07T	1,04	1,24	2,7	8
	19 x 0,079	0,37	0,09	222,1	FLKT28 19T	0,64	0,74	1,2	7	FLK28 19T	0,79	0,99	2,0	7	FLKK28 19T	1,04	1,24	2,7	8
26	7 x 0,160	0,48	0,14	139,8	FLKT26 07T	0,74	0,84	2,0	9	FLK26 07T	0,89	1,09	2,7	10	FLKK26 07T	1,14	1,35	3,5	10
	19 x 0,102	0,48	0,15	131,6	FLKT26 19T	0,74	0,84	2,1	9	FLK26 19T	0,89	1,09	2,8	10	FLKK26 19T	1,14	1,35	3,6	10
24	7 x 0,203	0,60	0,23	86,0	FLKT24 07T	0,86	0,96	2,9	12	FLK24 07T	1,02	1,22	3,7	13	FLKK24 07T	1,27	1,47	4,6	13
	19 x 0,127	0,60	0,24	83,3	FLKT24 19T	0,86	0,96	2,9	12	FLK24 19T	1,02	1,22	3,9	13 4	FLKK24 19T	1,27	1,47	4,7	13
22	7 x 0,254	0,76	0,35	54,8	FLKT22 07T	1,02	1,12	4,4	15	FLK22 07T	1,17	1,37	5,27	15	FLKK22 07T	1,42	1,63	6,1	18
	19 x 0,160	0,76	0,38	52,2	FLKT22 19T	1,22	1,32	6,3	15	FLK22 19T	1,17	1,37	5,5	15	FLKK22 19T	1,42	1,63	6,4	18

Type:					KT, thin-walled					K, normal-walled					KK, thick-walled				
Operating voltage:					250/500V AC U0/U					600/1000V AC U0/U					1000/1900V AC U0/U				
AW G	Strands	Manager			Master number	with insulation		Weigh ht	Im ax	Master number	with insulation		Weigh ht	Im ax	Master number	with insulation		Weigh ht	Im ax
	Quantity x Ø	Ønom	Cross- section	R		Ømin	Ømax				Ømin	Ømax				Ømin	Ømax		
	[mm]	[mm 2]	[mm 2]	[Ω/k m]		[mm m]	[mm]				[mm]	[mm]				[mm m]	[mm]		
20	7 x 0,320	0,96	0,56	34,1	FLKT20 07T	1,2 2	1,32	6,3	21	FLK20 07T	1,37	1,57	7,5	23	FLKK20 07T	1,6 3	1,83	8,5	23
	19 x 0,203	0,96	0,62	32,0	FLKT20 19T	1,2 2	1,32	6,6	21	FLK20 19T	1,37	1,57	8,1	23	FLKK20 19T	1,6 3	1,83	9,0	23
18	7 x 0,404	1,21	0,90	21,5	---	---	---	---	---	FLK18 07T	1,63	1,88	11,1	29	FLKK18 07T	1,8 8	2,13	12	31
	19 x 0,254	1,20	0,96	20,4	---	---	---	---	---	FLK18 19T	1,63	1,88	11,4	35	FLKK18 19T	1,8 8	2,13	13	31
16	19 x 0,287	1,36	1,23	15,8	---	---	---	---	---	FLK16 19 T	1,85	2,21	14,8	35	FLKK16 19T	2,1 1	2,41	16	43
14	19 x 0,361	1,71	1,94	10,0	---	---	---	---	---	FLK14 19T	2,24	2,59	22,3	52	FLKK14 19T	2,4 9	2,90	24	53
12	19 x 0,455	2,15	3,08	6,30	---	---	---	---	---	FLK12 19T	2,72	3,07	34,0	70	FLKK12 19T	2,9 7	3,38	36	71
	37 x 0,320	2,24	2,98	6,59	---	---	---	---	---	FLK12 37T	2,67	3,02	34,2	70	FLKK12 37T	2,9 2	3,33	37	71
10	37 x 0,404	2,82	4,74	4,13	---	---	---	---	---	FLK10 37T	3,22	3,58	50,7	94	FLKK10 37T	3,4 8	3,89	54	94
8	133 x 0,287	4,10	8,61	2,30	---	---	---	---	---	FLK81 33T	4,70	5,05	90,7	39 3	FLKK81 33T	5,0 5	5,56	98	14 0
6	133 x 0,361	5,13	12,6	1,46	---	---	---	---	---	---	---	---	---	---	FLKK61 33T	7,2 6	7,65	174	19
4	133 x 0,455	6,75	21,6	0,92 0	---	---	---	---	---	---	---	---	---	---	FLKK41 33T	8,8 6	9,37	267	25 8
2	665 x 0,254	8,51	33,7	0,58 0	---	---	---	---	---	---	---	---	---	---	FLKK26 65T	10, 03	10,5 4	376	33 9
1	817 x 0,254	9,60	41,4	0,49 0	---	---	---	---	---	---	---	---	---	---	FLKK18 17T	10, 07	12,5 7	469	39 1

Values for I_{max} at 40 °C

Article number:

Master number - Color

Colors: red (RT), blue (BL), black (SW), white (WS), green (GN), brown (BR), violet (VI), orange (OR), yellow (GE), grey (GR), pink (RS), transparent (TR)

Example: FLKT3807SRT

FLKT3807T = master number

RT = red