Habia Cable

RT

Equipment Wire, 600V, +150°C — ETFE

Properties:
Radiation resistance:
10 E5 Gy

Flame retardant
Low Smoke Generation

Suitable for use in:
Oils
Fuels
Acids
Bases

Construction:

Conductor	Tin Plated Copper (TPC)
Insulation	ETFE
Temperature rating (°C)	-65 / +150
Colours	XX = Colour code
Voltage	600 V AC*
Test voltage	3000 V AC**
*Voltage	(0,5-1,0 sqmm) 300 V AC
*Voltage	(1,5-6,0 sqmm) 450 V AC
**Test voltage	(0,5-1,0 sqmm) 2000 V AC
**Test voltage	(1,5-6,0 sqmm) 2500 V AC

Colour code:

Black	00
Brown	11
Red	22
Orange	33
Yellow	44
Green	55
Blue	66
Violet	77
Grey	88
White	99
Pink	29
Natural	89

Notes:
All dimensions nominal (± 4%) unless otherwise stated.
All dimensions in mm.

Air temperature correction factor for current rating: RT

°C	10	20	30	40	50	60	70	80	90	100	110	120	130	140
Factor	1.16	1.11	1.06	1.00	0.94	0.88	0.82	0.76	0.69	0.62	0.54	0.45	0.35	0.23

Multicore correction factor for current rating:

Cores	2	3	4	6	8	10	12	16	20	24	28	32	36	40
Factor	1	0.88	0.80	0.69	0.62	0.59	0.55	0.51	0.48	0.43	0.41	0.39	0.38	0.36

Type	Size		Conductor			Finished Wire				Order Reference
	AWG	mm²	Stranding	Wire Ø	DC Res @ 20°C (Ohms / km)	Core Ø	Tolerance	Weight (kg/km)	Amps (@ 40°C)	
RT 0,5	-	0,50	16 x 0,20	0,88	40,1	1,44	+ 0,26 - 0,08	6,3	10	565xx0050
RT 0,75	-	0,75	24 x 0,20	1,05	26,7	1,61	+ 0,19 - 0,03	9,0	14	565xx0075
RT 1,0	-	1,00	32 x 0,20	1,20	20,0	1,76	+ 0,14 - 0,06	11,0	16	565xx0100
RT 1,5	-	1,50	30 x 0,25	1,50	13,7	2,26	+ 0,24 - 0,06	18,0	23	565xx0150
RT 2,5	-	2,50	50 x 0,25	1,95	8,21	2,71	+ 0,39 - 0,06	27,0	32	565xx0250
RT 4	-	4,00	56 x 0,30	2,48	5,09	3,38	+ 0,22 - 0,08	40,0	44	565xx0400
RT 6	-	6,00	84 x 0,30	2,92	3,39	3,82	+ 0,38 - 0,12	62,0	59	565xx0600
RT 10	-	10,0	80 x 0,40	3,93	1,95	4,83	+ 0,27 - 0,10	110	91	565xx1000
RT 16	-	16,0	126 x 0,40	5,70	1,24	6,80	+ 0,40 - 0,20	180	125	565xx1600
RT 25	-	25,0	196 x 0,40	7,20	0,795	8,30	+ 0,60 - 0,20	260	170	565xx2500
RT 35	-	35,0	278 x 0,40	8,40	0,565	9,90	+ 0,50 - 0,20	364	217	565xx3500
RT 50	-	50,0	399 x 0,40	10,7	0,393	12,2	± 0,20	525	281	565xx5000
RT 70	-	70,0	361 x 0,50	12,4	0,277	14,6	± 0,20	731	349	565xx7000
RT 95	-	95,0	475 x 0,50	14,3	0,210	16,5	± 0,20	966	428	565xx9500
RT 120	-	120,0	629 x 0,50	16,0	0,164	18,6	± 0,20	1241	499	565x12000
RT 150	-	150,0	777 x 0,50	18,0	0,132	20,6	± 0,20	1549	568	565x15000
RT 185	-	185,0	925 x 0,50	20,0	0,108	23,0	± 0,20	1799	627	565x18500
RT 240	-	240,0	1221 x 0,50	23,0	0,0817	26,0	± 0,20	2568	819	565x24000

Data provided indicates nominal values unless stated otherwise and is only valid for reference purposes at the time of publication and is subject to change without prior notice.

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