

# MP-TE MP-TK



## PVC, UL 300 V, shielded

**Description.** Conductor insulation: special PVC, separation soft tape, tinned copper braid, min. coverage 85%, EMC 89/336/EC. Outer sheath: special PVC.

**Application.** Suitable for industrial application connection. It reduces EMI (Electromagnetic Interferences) noises up to 100 kHz caused by power lines and by inductive circuits such as electrovalves, motors, transformers, etc., see paragraph "Signal Transmission Noises" in the section "General Information". The cables with class 6 conductors have a good behaviour in mobile laying. Good resistance to common oils (UL 1581). Good flame resistance: (UL 1581). Limited resistance to abrasion.

**Max working voltage:** 300 V. **Test voltage:** 2000 V.

**Note to table:**

- (a) example: 3 = three wires; 2+1 = two wires + yellow/green earth; s = shielding.
- (b) colours: A = brown, blue, black, white, grey; yellow/green earth if present.  
C = according to IEC 60304 (former DIN 47100), see section "General Information".  
N = black with white numbers; yellow/green earth if present.
- (c) norms: UL = UL recognized (United States) / CSA = CSA recognized (Canada).

## PVC, UL 300 V, con schermo

**Descrizione.** Isolante conduttori: PVC speciale, nastro morbido di separazione, schermo a treccia in rame stagnato, copertura minima 85%, EMC 89/336/CE. Guaina esterna: PVC speciale.

**Impiego.** Adatto per collegamenti in macchinari industriali. Riduce disturbi EMI (Interferenze Elettromagnetiche) fino a 100 kHz generati da linee di potenza e da circuiti induttivi come elettrovalvole, motori, trasformatori, ecc., v. paragrafo "Disturbi di Trasmissione Segnali" nella sezione "Informazioni Generali". I cavi con rame classe 6 sono anche progettati per l'uso in posa mobile. Buona resistenza agli oli comuni (UL 1581). Buona resistenza alla fiamma (UL 1581). Limitata resistenza all'abrasione.

**Tensione massima di lavoro:** 300 V. **Tensione di prova:** 2000 V.

**Note alla tabella:**

- (a) esempio: 3 = tre conduttori; 2+1 = due conduttori + terra giallo/verde; s = schermo.
- (b) colori: A = marrone, blu, nero, bianco, grigio; terra giallo/verde se presente.  
C = secondo IEC 60304 (ex DIN 47100), vedere sezione "Informazioni Generali".  
N = nero con numeri bianchi; terra giallo/verde se presente.
- (c) norme: UL = certificato UL (Stati Uniti) / CSA = certificato CSA (Canada).

Formation Formazione	Descriptive code Codice descrittivo	Short code Codice breve	Refer. or style Rifer. o style	Sheath colour Colore guaina	Wires colour Colore cond.	Copper class Classe rame	Static application Applicazione statica	Dynamic application Applicazione dinamica	Note Nota	
n x mm <sup>2</sup> (a)			(c)	RAL	(b)	IEC 60228	°C	°C		
<b>MP-TE9</b>										
0,14	[2x0,14]s	MP-TE91-02XA5	125	300V 80°C UL-CSA	bk 9005	A	6	-25...+80	-15...+80	
	[3x0,14]s	MP-TE91-03XA5		300V 80°C UL-CSA	bk 9005	A	6	-25...+80	-15...+80	
0,25	[4x0,14]s	MP-TE91-04XA5	124	300V 80°C UL-CSA	bk 9005	A	6	-25...+80	-15...+80	
	[5x0,14]s	MP-TE91-05XA5		300V 80°C UL-CSA	bk 9005	A	6	-25...+80	-15...+80	
	[2x0,25]s	MP-TE92-02XA5		300V 80°C UL-CSA	bk 9005	A	6	-25...+80	-15...+80	
	[3x0,25]s	MP-TE92-03XA5		300V 80°C UL-CSA	bk 9005	A	6	-25...+80	-15...+80	
	[4x0,25]s	MP-TE92-04XA5		300V 80°C UL-CSA	bk 9005	A	6	-25...+80	-15...+80	
	[5x0,25]s	MP-TE92-05XA5	257	300V 80°C UL-CSA	bk 9005	A	6	-25...+80	-15...+80	
	[6x0,25]s	MP-TE92-06XC5		300V 80°C UL-CSA	bk 9005	C	6	-25...+80	-15...+80	
	[7x0,25]s	MP-TE92-07XC5		300V 80°C UL-CSA	bk 9005	C	6	-25...+80	-15...+80	
0,34	[8x0,25]s	MP-TE92-08XC5	278	300V 80°C UL-CSA	bk 9005	C	6	-25...+80	-15...+80	
	[2x0,34]s	MP-TE93-02XA5		300V 80°C UL-CSA	bk 9005	A	6	-25...+80	-15...+80	
	[3x0,34]s	MP-TE93-03XA5	358	300V 80°C UL-CSA	bk 9005	A	6	-25...+80	-15...+80	
	[4x0,34]s	MP-TE93-04XA5	374	300V 80°C UL-CSA	bk 9005	A	6	-25...+80	-15...+80	
	[(4+1)x0,34]s	MP-TE93-05GA5	356	300V 80°C UL-CSA	bk 9005	A	6	-25...+80	-15...+80	
	[5x0,34]s	MP-TE93-05XA5	357	300V 80°C UL-CSA	bk 9005	A	6	-25...+80	-15...+80	
	[6x0,34]s	MP-TE93-06XC5		300V 80°C UL-CSA	bk 9005	C	6	-25...+80	-15...+80	
	[7x0,34]s	MP-TE93-07XC5		300V 80°C UL-CSA	bk 9005	C	6	-25...+80	-15...+80	
	[8x0,34]s	MP-TE93-08XC5	3P3	300V 80°C UL-CSA	bk 9005	C	6	-25...+80	-15...+80	
	<b>MP-TK9</b>									
0,25	[10x0,25]s	MP-TK92-10XC5		300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
	[12x0,25]s	MP-TK92-12XC5	2P5	300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
	[14x0,25]s	MP-TK92-14XC5		300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
	[16x0,25]s	MP-TK92-16XC5		300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
	[18x0,25]s	MP-TK92-18XC5	2P8	300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
	[20x0,25]s	MP-TK92-20XC5		300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
	[25x0,25]s	MP-TK92-25XC5	2P0	300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
	[37x0,25]s	MP-TK92-37XC5		300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
	0,34	[10x0,34]s	MP-TK93-10XC5	3P4	300V 80°C UL-CSA	bk 9005	C	5	-25...+80	
		[12x0,34]s	MP-TK93-12XC5	3P5	300V 80°C UL-CSA	bk 9005	C	5	-25...+80	
[14x0,34]s		MP-TK93-14XC5	3P6	300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
[16x0,34]s		MP-TK93-16XC5	3P7	300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
[18x0,34]s		MP-TK93-18XC5	3P8	300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
[20x0,34]s		MP-TK93-20XC5	3P9	300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
[25x0,34]s		MP-TK93-25XC5	3P0	300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
[37x0,34]s		MP-TK93-37XC5		300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
0,50		[2x0,50]s	MP-TK94-02XA5	460	300V 80°C UL-CSA	bk 9005	A	5	-25...+80	
		[(2+1)x0,50]s	MP-TK94-03GA5	461	300V 80°C UL-CSA	bk 9005	A	5	-25...+80	
	[3x0,50]s	MP-TK94-03XA5	462	300V 80°C UL-CSA	bk 9005	A	5	-25...+80		
	[(3+1)x0,50]s	MP-TK94-04GA5	463	300V 80°C UL-CSA	bk 9005	A	5	-25...+80		
	[4x0,50]s	MP-TK94-04XA5	464	300V 80°C UL-CSA	bk 9005	A	5	-25...+80		
	[(4+1)x0,50]s	MP-TK94-05GA5	465	300V 80°C UL-CSA	bk 9005	A	5	-25...+80		
	[5x0,50]s	MP-TK94-05XA5	466	300V 80°C UL-CSA	bk 9005	A	5	-25...+80		
	[6x0,50]s	MP-TK94-06XC5	4P1	300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
	[(6+1)x0,50]s	MP-TK94-07GN5		300V 80°C UL-CSA	bk 9005	N	5	-25...+80		
	[7x0,50]s	MP-TK94-07XC5	4P2	300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
	[8x0,50]s	MP-TK94-08XC5	4P3	300V 80°C UL-CSA	bk 9005	C	5	-25...+80		
	[(9+1)x0,50]s	MP-TK94-10GN5		300V 80°C UL-CSA	bk 9005	N	5	-25...+80		
	[10x0,50]s	MP-TK94-10XC5	4P4	300V 80°C UL-CSA	bk 9005	C	5	-25...+80		

Formation Formazione	Descriptive code Codice descrittivo	Short code Codice breve	Refer. or style Rifer. o style	Sheath colour Colore guaina	Wires colour Colore cond.	Copper class Classe rame	Static application Applicazione statica	Dynamic application Applicazione dinamica	Note Nota	
n x mm <sup>2</sup> (a)			(c)	RAL	(b)	IEC 60228	°C	°C		
0,50	[(11+1)x0,50]s		300V 80°C UL-CSA	bk 9005	N	5	-25...+ 80			
	[12x0,50]s	4P5	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
	[14x0,50]s		300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
	[(15+1)x0,50]s		300V 80°C UL-CSA	bk 9005	N	5	-25...+ 80			
	[16x0,50]s		300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
	[(17+1)x0,50]s		300V 80°C UL-CSA	bk 9005	N	5	-25...+ 80			
	[18x0,50]s	4P8	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
	[20x0,50]s		300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
	[25x0,50]s	4P0	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
	[37x0,50]s		300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
	0,75	[2x0,75]s	560	300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80		
		[(2+1)x0,75]s	561	300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80		
[3x0,75]s		562	300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80			
[(3+1)x0,75]s		563	300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80			
[4x0,75]s		564	300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80			
[(4+1)x0,75]s		565	300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80			
[5x0,75]s			300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80			
[6x0,75]s		5P1	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
[(6+1)x0,75]s			300V 80°C UL-CSA	bk 9005	N	5	-25...+ 80			
[7x0,75]s		5P2	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
[8x0,75]s		5P3	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
[(9+1)x0,75]s			300V 80°C UL-CSA	bk 9005	N	5	-25...+ 80			
[10x0,75]s		5P4	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
[(11+1)x0,75]s			300V 80°C UL-CSA	bk 9005	N	5	-25...+ 80			
[12x0,75]s		5P5	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
[14x0,75]s		5P6	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
[(15+1)x0,75]s			300V 80°C UL-CSA	bk 9005	N	5	-25...+ 80			
[16x0,75]s		5P7	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
[(17+1)x0,75]s			300V 80°C UL-CSA	bk 9005	N	5	-25...+ 80			
[18x0,75]s		5P8	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
[20x0,75]s		5P9	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
1,00		[2x1,00]s	660	300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80		
		[(2+1)x1,00]s	661	300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80		
		[3x1,00]s	662	300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80		
	[(3+1)x1,00]s	663	300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80			
	[4x1,00]s	664	300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80			
	[(4+1)x1,00]s	665	300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80			
	[5x1,00]s		300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80			
	[6x1,00]s	6P1	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
	[(6+1)x1,00]s		300V 80°C UL-CSA	bk 9005	N	5	-25...+ 80			
	[7x1,00]s	6P2	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
	[8x1,00]s	6P3	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
	[(9+1)x1,00]s		300V 80°C UL-CSA	bk 9005	N	5	-25...+ 80			
	[10x1,00]s	6P4	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
	[(11+1)x1,00]s		300V 80°C UL-CSA	bk 9005	N	5	-25...+ 80			
	[12x1,00]s	6P5	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
	[14x1,00]s	6P6	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
	[(15+1)x1,00]s		300V 80°C UL-CSA	bk 9005	N	5	-25...+ 80			
	[16x1,00]s	6P7	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
	[(17+1)x1,00]s		300V 80°C UL-CSA	bk 9005	N	5	-25...+ 80			
	[18x1,00]s	6P8	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
	[20x1,00]s	6P9	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
	1,50	[2x1,50]s		300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80		
		[(2+1)x1,50]s		300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80		
		[3x1,50]s		300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80		
[(3+1)x1,50]s			300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80			
[4x1,50]s			300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80			
[(4+1)x1,50]s			300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80			
[5x1,50]s			300V 80°C UL-CSA	bk 9005	A	5	-25...+ 80			
[6x1,50]s		7P1	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
[(6+1)x1,50]s			300V 80°C UL-CSA	bk 9005	N	5	-25...+ 80			
[7x1,50]s		7P2	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
[8x1,50]s		7P3	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			
[(9+1)x1,50]s			300V 80°C UL-CSA	bk 9005	N	5	-25...+ 80			
[10x1,50]s		7P4	300V 80°C UL-CSA	bk 9005	C	5	-25...+ 80			